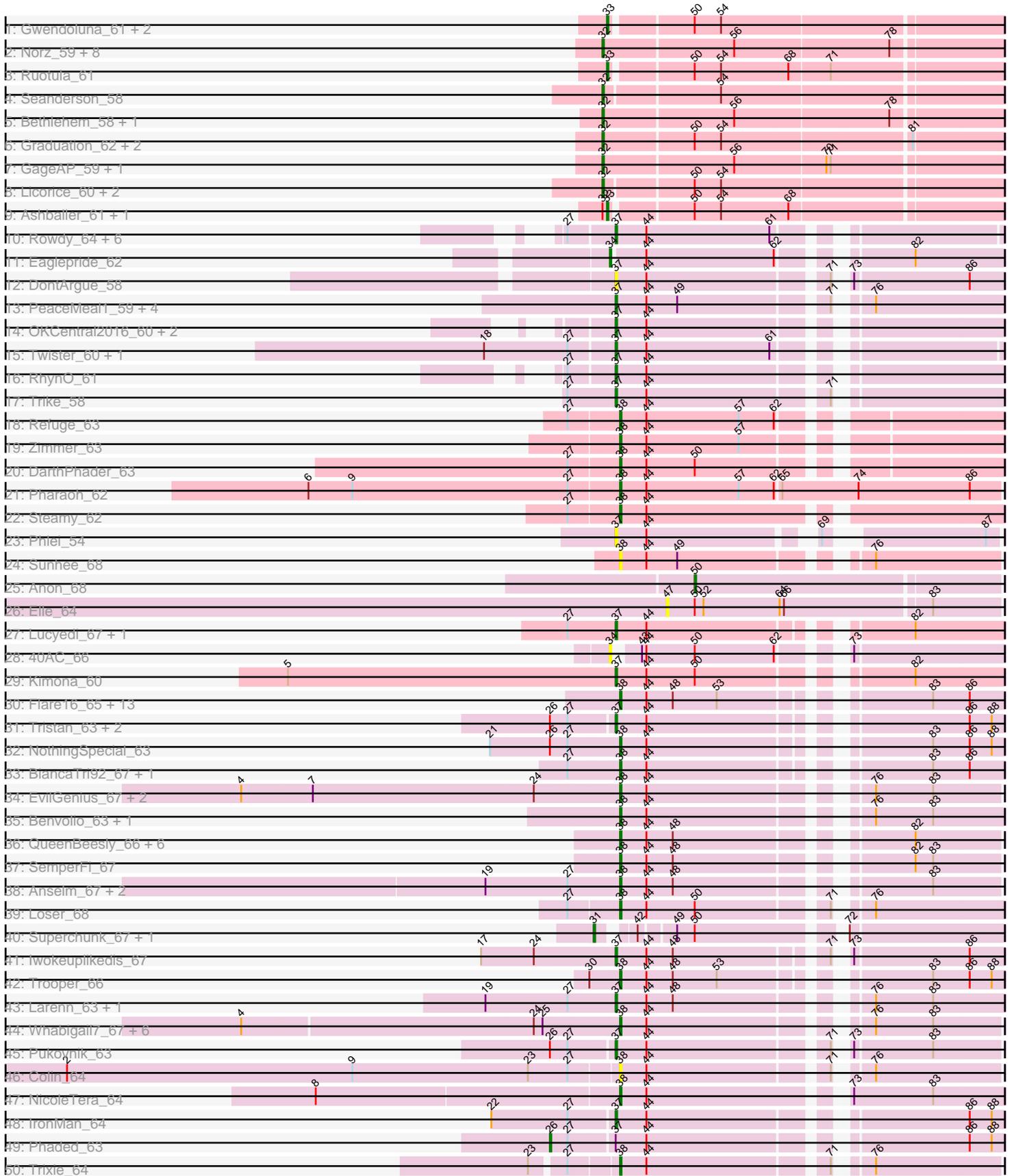
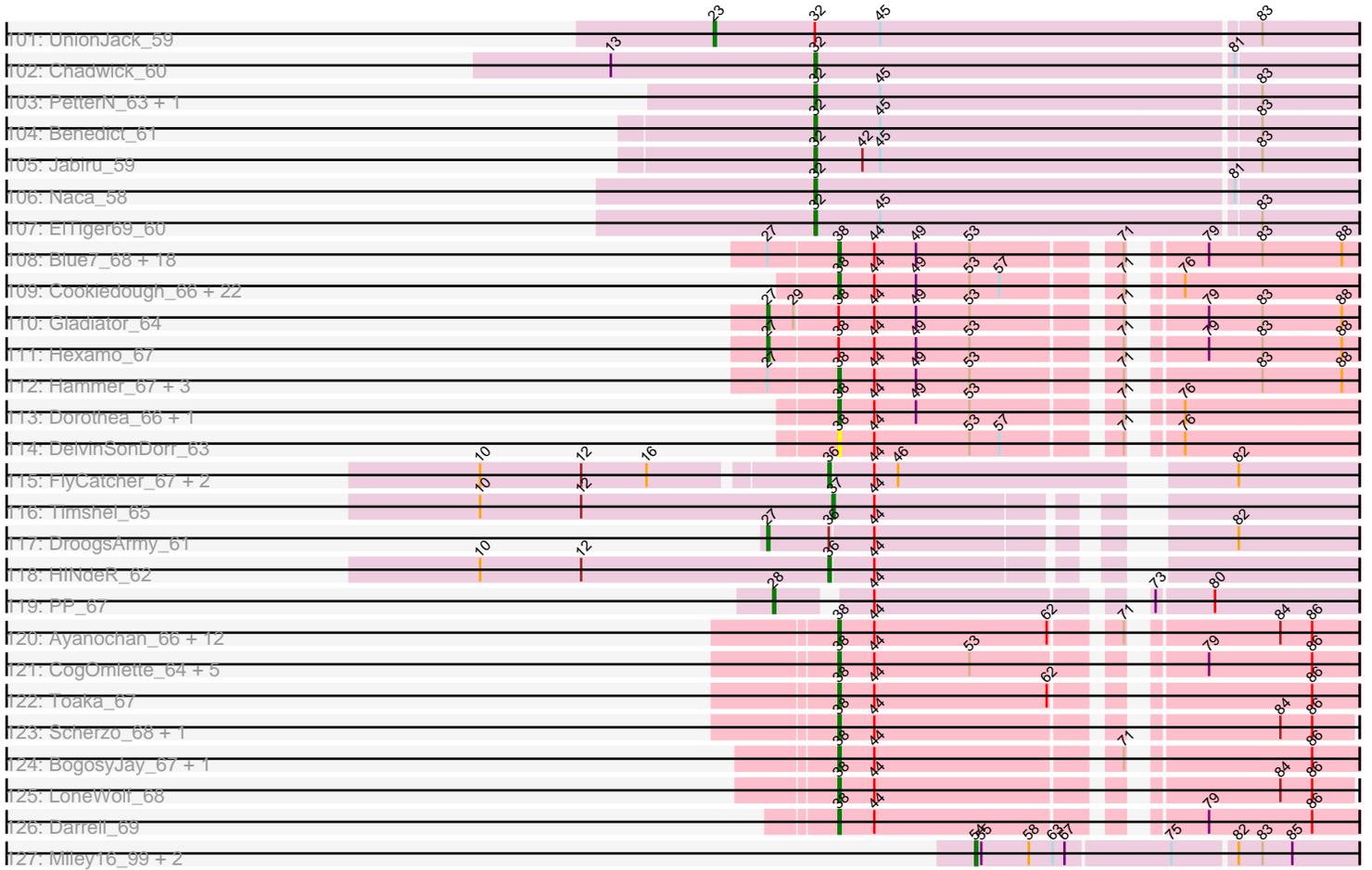


Pham 290701



Pham 290701



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 290701 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290701 has 485 members, 59 are drafts.

Phages represented in each track:

- Track 1 : Gwendoluna_61, Pelly_58, Dulcie_58
- Track 2 : Norz_59, Beatrix_58, StrongArm_57, Dreamboat_59, Jasper_59, Bexan_56, PherrisBueller_57, Ohno789_59, Doom_56
- Track 3 : Ruotula_61
- Track 4 : Seanderson_58
- Track 5 : Bethlehem_58, Pari_61
- Track 6 : Graduation_62, Bones_58, Cueylyss_59
- Track 7 : GageAP_59, SpikeBT_57
- Track 8 : Licorice_60, BillKnuckles_56, Traft412_61
- Track 9 : Ashballer_61, JC27_61
- Track 10 : Rowdy_64, Edison31_58, Shapes_64, Kristoff_61, DustyMartin_64, Rebeuca_62, Topanga_58
- Track 11 : Eaglepride_62
- Track 12 : DontArgue_58
- Track 13 : PeaceMeal1_59, Severus_59, Drake94_59, KittenMittens_58, Poompha_59
- Track 14 : OKCentral2016_60, Chupacabra_60, Goose_62
- Track 15 : Twister_60, WalterMcMickey_60
- Track 16 : RhynO_61
- Track 17 : Trike_58
- Track 18 : Refuge_63
- Track 19 : Zimmer_63
- Track 20 : DarthPhader_63
- Track 21 : Pharaoh_62
- Track 22 : Steamy_62
- Track 23 : Phlei_54
- Track 24 : Sunhee_68
- Track 25 : Anon_68
- Track 26 : Elle_64
- Track 27 : Lucyedi_67, EagleEye_68
- Track 28 : 40AC_66
- Track 29 : Kimona_60
- Track 30 : Flare16_65, Gratitude_63, Equemioh13_65, Sknot_65, HarryHoudini_66, Baehexic_64, Drake55_67, Centaur_66, Piro94_65, Updawg_66, MiculUcigas_65, WideWale_66, Terrific_66, NaSiaTalie_65
- Track 31 : Tristan_63, Jaan_65, Bactobuster_62
- Track 32 : NothingSpecial_63

- Track 33 : BiancaTri92_67, Leogania_67
- Track 34 : EvilGenius_67, ChipMunk_68, KingCyrus_67
- Track 35 : Benvolio_63, Echild_66
- Track 36 : QueenBeesly_66, Georgie2_67, SnapTap_66, Crucio_66, SweetiePie_66, Power_65, FiringLine_66
- Track 37 : SemperFi_67
- Track 38 : Anselm_67, Retro23_67, Heffalump_65
- Track 39 : Loser_68
- Track 40 : Superchunk_67, Caraxes_68
- Track 41 : Iwokeuplikedis_67
- Track 42 : Trooper_66
- Track 43 : Larenn_63, Malec_64
- Track 44 : Whabigail7_67, Agape74_68, AbbyPaige_68, Jerm_68, Smeagan_69, Turbido_67, LilTurb_67
- Track 45 : Pukovnik_63
- Track 46 : Colin_64
- Track 47 : NicoleTera_64
- Track 48 : IronMan_64
- Track 49 : Phaded_63
- Track 50 : Trixie_64
- Track 51 : CRB1_68, Buggy_68, Leviathan_68, LadyBird_70, VA6_66, AN3_68, 20ES_68, Deloris_66, First_0067, BengiVuitton_66, Dignity_68
- Track 52 : Dalmatian_67, DudeLittle_65
- Track 53 : AnnaL29_67, RedRock_67
- Track 54 : ForesterFrank_62
- Track 55 : Rachaly_63, Miko_61, BobSwaget_60
- Track 56 : TarsusIV_63
- Track 57 : HippoHollow_65, LionsBait_67
- Track 58 : QueenB2_65
- Track 59 : Prudy_60
- Track 60 : EZMoney23_63
- Track 61 : JoshKayV_67
- Track 62 : GaugeLDP_62
- Track 63 : XianYue_63
- Track 64 : Journey13_59
- Track 65 : Fameo_66
- Track 66 : Landor_65
- Track 67 : WeiHuaDA_67
- Track 68 : Lokk_61
- Track 69 : Acolyte_59
- Track 70 : BabyBack_63
- Track 71 : DeerParkTS_63
- Track 72 : Kalpine_65
- Track 73 : Chargerpower_63
- Track 74 : Popcicle_64, QuinnKiro_63, Veracruz_62, Hookmount_64, Caviar_64, Panamaxus_62, Lambert1_64, Noella_64, Todacoro_64, EtoileNova_63, Pocahontas_64, Texage_62, Norbert_61, ResDef_63, Margo_64
- Track 75 : JeppNRM_69, Pawn_68, Heliosoles_67, PhishRPhriends_66, Manu_68, ACFishhook_66, Gemma_67, Kalnoky_69, OlanP_67, HaveUMetTed_69, Groupthink_69, Reba_68, Calvinny_67, Marius_69, ClownCar_67, Kalb97_69, PurpleHaze_68, Phranny_69
- Track 76 : Vix_66, GtownJaz_68, P28Green_69, MoneyMay_67, Montavir_65, Malinsilva_70, Phoxy_68, LBerry_69, Spike509_68, Croquant_67, Mainiac_68,

Grub_68, Cullens_68, Beauxregard13_67, Sabia_68, LugYA_71, Lilith_67, Gwennie_65, Penny1_68, Watson_67, Dieselweasel_69, EpicPhail_69, MarQuardt_68, Marie_66, Lowa_67, JHC117_66, Tiffany_67, JenCasNa_69, Grif_68, Microwolf_66, Taurus_69, Sabinator_66, Fernando_68, LarryKay_68, PotatoSplit_69, Grum1_67

- Track 77 : Stagni_67, GingkoMaracino_68, Ollie_68, AgronaGT15_67, Rummer_67, Bxz2_63, Aglet_69, Methuselah_63, Soshari_70, MadMarie_68, MuchMore_71, Bigflo_67, Zetzy_67, StepMih_67, AugsMagnumOpus_71, Farber_68

- Track 78 : HashRod_69, KADY_67, BuzzBuzz_64

- Track 79 : Phantastic_66, BabyJohn_60, Chiqui_60

- Track 80 : Rockstar_63, MK4_65, MA5_65, B1_57, JF4_63, JF2_63

- Track 81 : Jobu08_66

- Track 82 : Fred313_63, Kachowdy_63, Zarafa_63, Heathen_65, HeIDan_64, Marchesa_63, DropBear_63, Scout_64, Roimos_63

- Track 83 : Isca_63

- Track 84 : Louie6_67

- Track 85 : Bugatti_65, Clammy_65, Giroux_67, Idleandcovert_65, SaturnRing_65, Puppy_65, Pistachio_65, TNguyen7_66, BlueBird_67

- Track 86 : BabyRay_65

- Track 87 : Kingmustik0402_62, Mazhar510_62, LochMonster_63, BellusTerra_63, Burger_60, Sparxx_63, Eros_62, Romney_61, MeeZee_61, PeterPeter_62, Obama12_63, Peaches_60, NorthStar_60, Deano_60, Alberto7_63, ChampagnePapi_64, LHTSCC_64, Wilbur_62, Scamp_62, ICleared_61, LittleB_62, Druantia_61, Arturo_60, Ulysses_61, Chaph_62, Pipcraft_59, TygerBlood_62, Holli_61, Citius_62, Caelakin_61, Kampy_61, Cerulean_63, OKaNui_62, Lunsford_63, SenorClean_62, Happiness_61, Mayonnaise_60, TroyPia_63, Koan_59, Taquarus_61, Commander_61, Bartimeaus_62, Lorenzo_62, Wizard007_61, YoSam321_62, Relief_61, Sultana_62, Albee_62, Maxo_63, RockieBear_60, Skipitt_61, Blackmoor_61, TiroTheta9_61, Huxley_60, Ohfah_63, KekoraPapaka_60, Melvin_64, BangNhom_61, Phelipe_63, Broseidon_62, Koreni_61, Eurydice_63, SheldonCooper_62, Gadost_62, NotAPhaseMom_61, Nebs_63, Annyong_61, CentreCat_62, Jaykayelowell_59, Baby16_62, Tinybot_61, LappelDuVide_62, Morrow_63, DirtyDunning_61, Houdini22_61, SteMason_59, Iceman_62, Kyee_62, Pumbaa_62, Spino_61, Roosevelt_60, JetBlade_62, Ruin_62, LeoAvram_61, Florean_62, Nemo27_61, Dhanush_62, Rosa24_60

- Track 88 : Cindaradix_57, Mundrea_60, Miramae_59, Shygu2_60, AvatarAhPeg_59, Cintron_62, Stink_59

- Track 89 : Kremtemulon_62

- Track 90 : AbbysRanger_60, Badger_59, PetiteSangsue_60, Bumblebee11_59, Xena_59, Morpher26_60, Katalie136_60, Cici_60, Datway_60, Perplexer_60, Backyardigan_58

- Track 91 : Eapen_62

- Track 92 : Connomayer_62

- Track 93 : Phontbonne_62

- Track 94 : Wile_60

- Track 95 : Eagle_61

- Track 96 : Noelle_61

- Track 97 : Polymorphads_63

- Track 98 : Stasia_60

- Track 99 : Achebe_59

- Track 100 : Airmid_58

- Track 101 : UnionJack_59

- Track 102 : Chadwick_60

- Track 103 : PetterN_63, Scorpia_62
- Track 104 : Benedict_61
- Track 105 : Jabiru_59
- Track 106 : Naca_58
- Track 107 : EITiger69_60
- Track 108 : Blue7_68, Jeffabunny_67, Temprado_68, BennyP_66, Artemis2UCLA_67, WunderPhul_67, Indra_70, CloudWang3_68, Wiks_66, Helmet_69, Rifter_67, Lilbunny_66, Zaka_67, Koko_69, Yokurt_66, BlessJoy_67, Garak_68, Zulu_68, ToneTone_64
- Track 109 : Cookiedough_66, Blinn1_69, Priamo_68, GreedyLawyer_63, VohminGhazi_66, SuperAwesome_66, JewelBug_66, SmellyB_66, Kazan_67, Polyphemus_68, Neeharika16_65, Candra_64, EricB_65, Pmask_65, BABullseye_59, Isiphiwo_64, Newrala_66, Hoot_61, Chartreuse_65, DaVinci_64, McFly_66, SuperCallie99_63, Kipper29_66
- Track 110 : Gladiator_64
- Track 111 : Hexamo_67
- Track 112 : Hammer_67, Tucker_67, Gruunaga_67, Roksolana_68
- Track 113 : Dorothea_66, Jordennis_65
- Track 114 : DelvinSonDorr_63
- Track 115 : FlyCatcher_67, Toro_65, Sheen_65
- Track 116 : Timshel_65
- Track 117 : DroogsArmy_61
- Track 118 : HINdeR_62
- Track 119 : PP_67
- Track 120 : Ayanochan_66, Jiawan_65, ExplosioNervosa_66, Hanray_66, Spouty_66, Priya_66, Fayely_66, EmyBug_65, Alma_66, Eidsmoe_66, Holes_66, Qobbit_66, Conquerage_66
- Track 121 : CogOmlette_64, Bellris_64, WorldCup_64, Elephantoon_66, Minispark_64, Rahalelujah_66
- Track 122 : Toaka_67
- Track 123 : Scherzo_68, Ugenie5_64
- Track 124 : BogosyJay_67, Maminiaina_67
- Track 125 : LoneWolf_68
- Track 126 : Darrell_69
- Track 127 : Miley16_99, Breezona_99, Winky_99

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 41, it was called in 143 of the 426 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbysRanger_60, Albee_62, Alberto7_63, Annyong_61, Arturo_60, AvatarAhPeg_59, B1_57, Baby16_62, BabyJohn_60, BabyRay_65, Backyardigan_58, Badger_59, BangNhom_61, Bartimeaus_62, BellusTerra_63, Blackmoor_61, BlueBird_67, Broseidon_62, Bugatti_65, Bumblebee11_59, Burger_60, Caelakin_61, Caviar_64, CentreCat_62, Cerulean_63, ChampagnePapi_64, Chaph_62, Chiqui_60, Cici_60, Cindaradix_57, Cintron_62, Citius_62, Clammy_65, Commander_61, Connomayer_62, Datway_60, Deano_60, Dhanush_62, DirtyDunning_61, DropBear_63, Druantia_61, Eagle_61, Eapen_62,

Eros_62, EtoileNova_63, Eurydice_63, Florean_62, Fred313_63, Gadost_62, Giroux_67, Happiness_61, Heathen_65, HelDan_64, Holli_61, Hookmount_64, Houdini22_61, Huxley_60, ICleared_61, Iceman_62, Idleandcovert_65, Isca_63, JF2_63, JF4_63, Jaykayelowell_59, JetBlade_62, Kachowdy_63, Kampy_61, Katalie136_60, KekoraPapaka_60, Kingmustik0402_62, Koan_59, Koreni_61, Kremtemulon_62, Kyee_62, LHTSCC_64, Lambert1_64, LappelDuVide_62, LeoAvram_61, LittleB_62, LochMonster_63, Lorenzo_62, Lunsford_63, MA5_65, MK4_65, Marchesa_63, Margo_64, Maxo_63, Mayonnaise_60, Mazhar510_62, MeeZee_61, Melvin_64, Miramae_59, Morpher26_60, Morrow_63, Mundrea_60, Nebs_63, Nemo27_61, Noella_64, Noelle_61, Norbert_61, NorthStar_60, NotAPhaseMom_61, OKaNui_62, Obama12_63, Ohfah_63, Panamaxus_62, Peaches_60, Perplexer_60, PeterPeter_62, PetiteSangsue_60, Phantastic_66, Phelipe_63, Phontbonne_62, Pipcraft_59, Pistachio_65, Pocahontas_64, Polymorphads_63, Popcicle_64, Pumbaa_62, Puppy_65, QuinnKiro_63, Relief_61, ResDef_63, RockieBear_60, Rockstar_63, Roimos_63, Romney_61, Roosevelt_60, Rosa24_60, Ruin_62, SaturnRing_65, Scamp_62, Scout_64, SeniorClean_62, SheldonCooper_62, Shygu2_60, Skipitt_61, Sparxx_63, Spino_61, Stasia_60, SteMason_59, Stink_59, Sultana_62, TNguyen7_66, Taquarus_61, Texage_62, Tinybot_61, TiroTheta9_61, Todacoro_64, TroyPia_63, TygerBlood_62, Ulysses_61, Veracruz_62, Wilbur_62, Wile_60, Wizard007_61, Xena_59, YoSam321_62, Zarafa_63,

Genes that have the "Most Annotated" start but do not call it:

- Achebe_59,

Genes that do not have the "Most Annotated" start:

- 20ES_68, 40AC_66, ACFishhook_66, AN3_68, AbbyPaige_68, Acolyte_59, Agape74_68, Aglet_69, AgronaGT15_67, Airmid_58, Alma_66, AnnaL29_67, Anon_68, Anselm_67, Artemis2UCLA_67, Ashballer_61, AugsMagnumOpus_71, Ayanochan_66, BABullseye_59, BabyBack_63, Bactobuster_62, Baehexic_64, Beatrix_58, Beauxregard13_67, Bellris_64, Benedict_61, BengiVuitton_66, BennyP_66, Benvolio_63, Bethlehem_58, Bexan_56, BiancaTri92_67, Bigflo_67, BillKnuckles_56, BlessJoy_67, Blinn1_69, Blue7_68, BobSwaget_60, BogosyJay_67, Bones_58, Breezona_99, Buggy_68, BuzzBuzz_64, Bxz2_63, CRB1_68, Calvinny_67, Candra_64, Caraxes_68, Centaur_66, Chadwick_60, Chargerpower_63, Chartreuse_65, ChipMunk_68, Chupacabra_60, CloudWang3_68, ClownCar_67, CogOmlette_64, Colin_64, Conquerage_66, Cookiedough_66, Croquant_67, Crucio_66, Cueyllyss_59, Cullens_68, DaVinci_64, Dalmatian_67, Darrell_69, DARTHPhader_63, DeerParkTS_63, Deloris_66, DelvinSonDorr_63, Dieselweasel_69, Dignity_68, DontArgue_58, Doom_56, Dorothea_66, Drake55_67, Drake94_59, Dreamboat_59, DroogsArmy_61, DudeLittle_65, Dulcie_58, DustyMartin_64, EZMoney23_63, EagleEye_68, Eaglepride_62, Echild_66, Edison31_58, Eidsmoe_66, EITiger69_60, Elephantoon_66, Elle_64, EmyBug_65, EpicPhail_69, Equemioh13_65, EricB_65, EvilGenius_67, ExplosioNervosa_66, Fameo_66, Farber_68, Fayely_66, Fernando_68, FiringLine_66, First_0067, Flare16_65, FlyCatcher_67, ForesterFrank_62, GageAP_59, Garak_68, GaugeLDP_62, Gemma_67, Georgie2_67, GingkoMaracino_68, Gladiator_64, Goose_62, Graduation_62, Gratitude_63, GreedyLawyer_63, Grif_68, Groupthink_69, Grub_68, Grum1_67, Gruunaga_67, GtownJaz_68, Gwendoluna_61, Gwennie_65, HINdeR_62, Hammer_67, Hanray_66, HarryHoudini_66, HashRod_69, HaveUMetTed_69, Heffalump_65, Heliosoles_67, Helmet_69, Hexamo_67, HippoHollow_65, Horex_66, Hoot_61, Indra_70, IronMan_64, Isiphiwo_64, Iwokeuplikedis_67, JC27_61, JHC117_66, Jaan_65, Jabiru_59, Jasper_59,

Jeffabunny_67, JenCasNa_69, JeppNRM_69, Jerm_68, JewelBug_66, Jiawan_65, Jobu08_66, Jordennis_65, JoshKayV_67, Journey13_59, KADY_67, Kalb97_69, Kalnoky_69, Kalpine_65, Kazan_67, Kimona_60, KingCyrus_67, Kipper29_66, KittenMittens_58, Koko_69, Kristoff_61, LBerry_69, LadyBird_70, Landor_65, Larenn_63, LarryKay_68, Leogania_67, Leviathan_68, Licorice_60, LilTurb_67, Lilbunny_66, Lilith_67, LionsBait_67, Lokk_61, LoneWolf_68, Loser_68, Louie6_67, Lowa_67, Lucyedi_67, LugYA_71, MadMarie_68, Mainiac_68, Malec_64, Malinsilva_70, Maminaiaina_67, Manu_68, MarQuardt_68, Marie_66, Marius_69, McFly_66, Methuselah_63, Microwolf_66, MiculUcigas_65, Miko_61, Miley16_99, Minispark_64, MoneyMay_67, Montavir_65, MuchMore_71, NaSiaTalie_65, Naca_58, Neeharika16_65, Newrala_66, NicoleTera_64, Norz_59, NothingSpecial_63, OKCentral2016_60, Ohno789_59, OlanP_67, Ollie_68, P28Green_69, PP_67, Pari_61, Pawn_68, PeaceMeal1_59, Pelly_58, Penny1_68, PetterN_63, Phaded_63, Pharaoh_62, PherrisBueller_57, PhishRPhriends_66, Phlei_54, Phoxy_68, Phranny_69, Piro94_65, Pmask_65, Polyphemus_68, Poompha_59, PotatoSplit_69, Power_65, Priamo_68, Priya_66, Prudy_60, Pukovnik_63, PurpleHaze_68, Qobbit_66, QueenB2_65, QueenBeesly_66, Rachaly_63, Rahalelujah_66, Reba_68, Rebeuca_62, RedRock_67, Refuge_63, Retro23_67, RhynO_61, Rifter_67, Roksolana_68, Rowdy_64, Rummer_67, Ruotula_61, Sabia_68, Sabinator_66, Scherzo_68, Scorpia_62, Seanderson_58, SemperFi_67, Severus_59, Shapes_64, Sheen_65, Sknot_65, Smeagan_69, SmellyB_66, SnapTap_66, Soshari_70, Spike509_68, SpikeBT_57, Spouty_66, Stagni_67, Steamy_62, StepMih_67, StrongArm_57, Sunhee_68, SuperAwesome_66, SuperCallie99_63, Superchunk_67, SweetiePie_66, TarsusIV_63, Taurus_69, Temprado_68, Terrific_66, Tiffany_67, Timshel_65, Toaka_67, ToneTone_64, Topanga_58, Toro_65, Traft412_61, Trike_58, Tristan_63, Trixie_64, Trooper_66, Tucker_67, Turbido_67, Twister_60, Ugenie5_64, UnionJack_59, Updawg_66, VA6_66, Vix_66, VohminGhazi_66, WalterMcMickey_60, Watson_67, WeiHuaDA_67, Whabigail7_67, WideWale_66, Wiks_66, Winky_99, WorldCup_64, WunderPhul_67, XianYue_63, Yokurt_66, Zaka_67, Zetzy_67, Zimmer_63, Zulu_68,

Summary by start number:

Start 23:

- Found in 3 of 485 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 426
- Called 33.3% of time when present
- Phage (with cluster) where this start called: UnionJack_59 (A5),

Start 26:

- Found in 151 of 485 (31.1%) of genes in pham
- Manual Annotations of this start: 2 of 426
- Called 1.3% of time when present
- Phage (with cluster) where this start called: Achebe_59 (A4), Phaded_63 (A2),

Start 27:

- Found in 284 of 485 (58.6%) of genes in pham
- Manual Annotations of this start: 3 of 426
- Called 1.1% of time when present
- Phage (with cluster) where this start called: DroogsArmy_61 (A7), Gladiator_64 (A6), Hexamo_67 (A6),

Start 28:

- Found in 1 of 485 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 426
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PP_67 (A7),

Start 31:

- Found in 3 of 485 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 426
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Caraxes_68 (A2), Journey13_59 (A2), Superchunk_67 (A2),

Start 32:

- Found in 31 of 485 (6.4%) of genes in pham
- Manual Annotations of this start: 28 of 426
- Called 90.3% of time when present
- Phage (with cluster) where this start called: Airmid_58 (A5), Beatrix_58 (A1), Benedict_61 (A5), Bethlehem_58 (A1), Bexan_56 (A1), BillKnuckles_56 (A1), Bones_58 (A1), Chadwick_60 (A5), Cueylyss_59 (A1), Doom_56 (A1), Dreamboat_59 (A1), EITiger69_60 (A5), GageAP_59 (A1), Graduation_62 (A1), Jabiru_59 (A5), Jasper_59 (A1), Licorice_60 (A1), Naca_58 (A5), Norz_59 (A1), Ohno789_59 (A1), Pari_61 (A1), PetterN_63 (A5), PherrisBueller_57 (A1), Scorpia_62 (A5), Seanderson_58 (A1), SpikeBT_57 (A1), StrongArm_57 (A1), Traft412_61 (A1),

Start 33:

- Found in 6 of 485 (1.2%) of genes in pham
- Manual Annotations of this start: 6 of 426
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ashballer_61 (A1), Dulcie_58 (A1), Gwendoluna_61 (A1), JC27_61 (A1), Pelly_58 (A1), Ruotula_61 (A1),

Start 34:

- Found in 2 of 485 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 426
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 40AC_66 (A17), Eaglepride_62 (A10),

Start 35:

- Found in 1 of 485 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 426
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BabyBack_63 (A2),

Start 36:

- Found in 5 of 485 (1.0%) of genes in pham
- Manual Annotations of this start: 2 of 426
- Called 80.0% of time when present
- Phage (with cluster) where this start called: FlyCatcher_67 (A7), HINdeR_62 (A7), Sheen_65 (A7), Toro_65 (A7),

Start 37:

- Found in 36 of 485 (7.4%) of genes in pham
- Manual Annotations of this start: 30 of 426

- Called 97.2% of time when present
- Phage (with cluster) where this start called: Bactobuster_62 (A2), Chupacabra_60 (A10), DontArgue_58 (A10), Drake94_59 (A10), DustyMartin_64 (A10), EagleEye_68 (A16), Edison31_58 (A10), GaugeLDP_62 (A2), Goose_62 (A10), IronMan_64 (A2), Iwokeuplikedis_67 (A2), Jaan_65 (A2), Kimona_60 (A19), KittenMittens_58 (A10), Kristoff_61 (A10), Landor_65 (A2), Larenn_63 (A2), Lucyedi_67 (A16), Malec_64 (A2), OKCentral2016_60 (A10), PeaceMeal1_59 (A10), Phlei_54 (A13), Poompha_59 (A10), Pukovnik_63 (A2), Rebeuca_62 (A10), RhynO_61 (A10), Rowdy_64 (A10), Severus_59 (A10), Shapes_64 (A10), Timshel_65 (A7), Topanga_58 (A10), Trike_58 (A10), Tristan_63 (A2), Twister_60 (A10), WalterMcMickey_60 (A10),

Start 38:

- Found in 162 of 485 (33.4%) of genes in pham
- Manual Annotations of this start: 134 of 426
- Called 98.8% of time when present
- Phage (with cluster) where this start called: 20ES_68 (A2), AN3_68 (A2), AbbyPaige_68 (A2), Acolyte_59 (A2), Agape74_68 (A2), Alma_66 (A9), AnnaL29_67 (A2), Anselm_67 (A2), Artemis2UCLA_67 (A6), Ayanochan_66 (A9), BABullseye_59 (A6), Baehexic_64 (A2), Bellris_64 (A9), BengiVuitton_66 (A2), BennyP_66 (A6), Benvolio_63 (A2), BiancaTri92_67 (A2), BlessJoy_67 (A6), Blinn1_69 (A6), Blue7_68 (A6), BobSwaget_60 (A2), BogosyJay_67 (A9), Buggy_68 (A2), CRB1_68 (A2), Candra_64 (A6), Centaur_66 (A2), Chargerpower_63 (A22), Chartreuse_65 (A6), ChipMunk_68 (A2), CloudWang3_68 (A6), CogOmlette_64 (A9), Colin_64 (A2), Conquerage_66 (A9), Cookiedough_66 (A6), Crucio_66 (A2), DaVinci_64 (A6), Dalmatian_67 (A2), Darrell_69 (A9), DarthPhader_63 (A12), DeerParkTS_63 (A2), Deloris_66 (A2), DelvinSonDorr_63 (A6), Dignity_68 (A2), Dorothea_66 (A6), Drake55_67 (A2), DudeLittle_65 (A2), EZMoney23_63 (A2), Echild_66 (A2), Eidsmoe_66 (A9), Elephantoon_66 (A9), EmyBug_65 (A9), Equemioh13_65 (A2), EricB_65 (A6), EvilGenius_67 (A2), ExplosioNervosa_66 (A9), Fameo_66 (A2), Fayely_66 (A9), FiringLine_66 (A2), First_0067 (A2), Flare16_65 (A2), ForesterFrank_62 (A2), Garak_68 (A6), Georgie2_67 (A2), Gratitude_63 (A2), GreedyLawyer_63 (A6), Gruunaga_67 (A6), Hammer_67 (A6), Hanray_66 (A9), HarryHoudini_66 (A2), Heffalump_65 (A2), Helmet_69 (A6), HippoHollow_65 (A2), Horex_66 (A9), Hoot_61 (A6), Indra_70 (A6), Isiphiwo_64 (A6), Jeffabunny_67 (A6), Jerm_68 (A2), JewelBug_66 (A6), Jiawan_65 (A9), Jordennis_65 (A6), JoshKayV_67 (A2), Kalpine_65 (A2), Kazan_67 (A6), KingCyrus_67 (A2), Kipper29_66 (A6), Koko_69 (A6), LadyBird_70 (A2), Leogania_67 (A2), Leviathan_68 (A2), LilTurb_67 (A2), Lilbunny_66 (A6), LionsBait_67 (A2), Lokk_61 (A2), LoneWolf_68 (A9), Loser_68 (A2), Maminiaina_67 (A9), McFly_66 (A6), MiculUcigas_65 (A2), Miko_61 (A2), Minispark_64 (A9), NaSiaTalie_65 (A2), Neeharika16_65 (A6), Newrala_66 (A6), NicoleTera_64 (A2), NothingSpecial_63 (A2), Pharaoh_62 (A12), Piro94_65 (A2), Pmask_65 (A6), Polyphemus_68 (A6), Power_65 (A2), Priamo_68 (A6), Priya_66 (A9), Prudy_60 (A2), Qobbit_66 (A9), QueenB2_65 (A2), QueenBeesly_66 (A2), Rachaly_63 (A2), Rahalelujah_66 (A9), RedRock_67 (A2), Refuge_63 (A12), Retro23_67 (A2), Rifter_67 (A6), Roksolana_68 (A6), Scherzo_68 (A9), SemperFi_67 (A2), Sknot_65 (A2), Smeagan_69 (A2), SmellyB_66 (A6), SnapTap_66 (A2), Spouty_66 (A9), Steamy_62 (A12), Sunhee_68 (A14), SuperAwesome_66 (A6), SuperCallie99_63 (A6), SweetiePie_66 (A2), TarsusIV_63 (A2), Temprado_68 (A6), Terrific_66 (A2), Toaka_67 (A9), ToneTone_64 (A6), Trixie_64 (A2), Trooper_66 (A2), Tucker_67 (A6), Turbido_67 (A2), Ugenie5_64 (A9), Updawg_66 (A2), VA6_66 (A2), VohminGhazi_66 (A6), WeiHuaDA_67 (A2), Whabigail7_67 (A2), WideWale_66 (A2), Wiks_66 (A6), WorldCup_64 (A9), WunderPhul_67 (A6), XianYue_63 (A2), Yokurt_66 (A6), Zaka_67 (A6), Zimmer_63 (A12), Zulu_68 (A6),

Start 39:

- Found in 56 of 485 (11.5%) of genes in pham
- Manual Annotations of this start: 51 of 426
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aglet_69 (A3), AgronaGT15_67 (A3), AugsMagnumOpus_71 (A3), Beauxregard13_67 (A3), Bigflo_67 (A3), BuzzBuzz_64 (A3), Bxz2_63 (A3), Croquant_67 (A3), Cullens_68 (A3), Dieselweasel_69 (A3), EpicPhail_69 (A3), Farber_68 (A3), Fernando_68 (A3), GingkoMaracino_68 (A3), Grif_68 (A3), Grub_68 (A3), Grum1_67 (A3), GtownJaz_68 (A3), Gwennie_65 (A3), HashRod_69 (A3), JHC117_66 (A3), JenCasNa_69 (A3), Jobu08_66 (A3), KADY_67 (A3), LBerry_69 (A3), LarryKay_68 (A3), Lilit_67 (A3), Iowa_67 (A3), LugYA_71 (A3), MadMarie_68 (A3), Mainiac_68 (A3), Malinsilva_70 (A3), MarQuardt_68 (A3), Marie_66 (A3), Methuselah_63 (A3), Microwolf_66 (A3), MoneyMay_67 (A3), Montavir_65 (A3), MuchMore_71 (A3), Ollie_68 (A3), P28Green_69 (A3), Penny1_68 (A3), Phoxy_68 (A3), PotatoSplit_69 (A3), Rummer_67 (A3), Sabia_68 (A3), Sabinator_66 (A3), Soshari_70 (A3), Spike509_68 (A3), Stagni_67 (A3), StepMih_67 (A3), Taurus_69 (A3), Tiffany_67 (A3), Vix_66 (A3), Watson_67 (A3), Zetzy_67 (A3),

Start 40:

- Found in 19 of 485 (3.9%) of genes in pham
- Manual Annotations of this start: 17 of 426
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_66 (A3), Calvinny_67 (A3), ClownCar_67 (A3), Gemma_67 (A3), Groupthink_69 (A3), HaveUMetTed_69 (A3), Heliosoles_67 (A3), JeppNRM_69 (A3), Kalb97_69 (A3), Kalnoky_69 (A3), Louie6_67 (A3), Manu_68 (A3), Marius_69 (A3), OlanP_67 (A3), Pawn_68 (A3), PhishRPhriends_66 (A3), Phranny_69 (A3), PurpleHaze_68 (A3), Reba_68 (A3),

Start 41:

- Found in 160 of 485 (33.0%) of genes in pham
- Manual Annotations of this start: 143 of 426
- Called 99.4% of time when present
- Phage (with cluster) where this start called: AbbysRanger_60 (A4), Albee_62 (A4), Alberto7_63 (A4), Annyong_61 (A4), Arturo_60 (A4), AvatarAhPeg_59 (A4), B1_57 (A3), Baby16_62 (A4), BabyJohn_60 (A3), BabyRay_65 (A3), Backyardigan_58 (A4), Badger_59 (A4), BangNhom_61 (A4), Bartimeaus_62 (A4), BellusTerra_63 (A4), Blackmoor_61 (A4), BlueBird_67 (A3), Broseidon_62 (A4), Bugatti_65 (A3), Bumblebee11_59 (A4), Burger_60 (A4), Caelakin_61 (A4), Caviar_64 (A3), CentreCat_62 (A4), Cerulean_63 (A4), ChampagnePapi_64 (A4), Chaph_62 (A4), Chiqui_60 (A3), Cici_60 (A4), Cindaradix_57 (A4), Cintron_62 (A4), Citius_62 (A4), Clammy_65 (A3), Commander_61 (A4), Connomayer_62 (A4), Datway_60 (A4), Deano_60 (A4), Dhanush_62 (A4), DirtyDunning_61 (A4), DropBear_63 (A3), Druantia_61 (A4), Eagle_61 (A4), Eapen_62 (A4), Eros_62 (A4), EtoileNova_63 (A3), Eurydice_63 (A4), Florean_62 (A4), Fred313_63 (A3), Gadost_62 (A4), Giroux_67 (A3), Happiness_61 (A4), Heathen_65 (A3), HelDan_64 (A3), Holli_61 (A4), Hookmount_64 (A3), Houdini22_61 (A4), Huxley_60 (A4), ICleared_61 (A4), Iceman_62 (A4), Idleandcovert_65 (A3), Isca_63 (A3), JF2_63 (A3), JF4_63 (A3), Jaykayelowell_59 (A4), JetBlade_62 (A4), Kachowdy_63 (A3), Kamy_61 (A4), Katalie136_60 (A4), KekoraPapaka_60 (A4), Kingmustik0402_62 (A4), Koan_59 (A4), Koreni_61 (A4), Kremtemulon_62 (A4), Kyee_62 (A4), LHTSCC_64 (A4), Lambert1_64 (A3), LappelDuVide_62 (A4), LeoAvram_61 (A4), LittleB_62 (A4), LochMonster_63 (A4), Lorenzo_62 (A4), Lunsford_63 (A4), MA5_65 (A3), MK4_65

(A3), Marchesa_63 (A3), Margo_64 (A3), Maxo_63 (A4), Mayonnaise_60 (A4), Mazhar510_62 (A4), MeeZee_61 (A4), Melvin_64 (A4), Miramae_59 (A4), Morpher26_60 (A4), Morrow_63 (A4), Mundrea_60 (A4), Nebs_63 (A4), Nemo27_61 (A4), Noella_64 (A3), Noelle_61 (A4), Norbert_61 (A3), NorthStar_60 (A4), NotAPhaseMom_61 (A4), OKaNui_62 (A4), Obama12_63 (A4), Ohfah_63 (A4), Panamaxus_62 (A3), Peaches_60 (A4), Perplexer_60 (A4), PeterPeter_62 (A4), PetiteSangsue_60 (A4), Phantastic_66 (A3), Phelipe_63 (A4), Phontbonne_62 (A4), Pipcraft_59 (A4), Pistachio_65 (A3), Pocahontas_64 (A3), Polymorphads_63 (A4), Popcicle_64 (A3), Pumbaa_62 (A4), Puppy_65 (A3), QuinnKiro_63 (A3), Relief_61 (A4), ResDef_63 (A3), RockieBear_60 (A4), Rockstar_63 (A3), Roimos_63 (A3), Romney_61 (A4), Roosevelt_60 (A4), Rosa24_60 (A4), Ruin_62 (A4), SaturnRing_65 (A3), Scamp_62 (A4), Scout_64 (A3), SenorClean_62 (A4), SheldonCooper_62 (A4), Shygu2_60 (A4), Skipitt_61 (A4), Sparxx_63 (A4), Spino_61 (A4), Stasia_60 (A4), SteMason_59 (A4), Stink_59 (A4), Sultana_62 (A4), TNguyen7_66 (A3), Taquarus_61 (A4), Texage_62 (A3), Tinybot_61 (A4), TiroTheta9_61 (A4), Todacoro_64 (A3), TroyPia_63 (A4), TygerBlood_62 (A4), Ulysses_61 (A4), Veracruz_62 (A3), Wilbur_62 (A4), Wile_60 (A4), Wizard007_61 (A4), Xena_59 (A4), YoSam321_62 (A4), Zarafa_63 (A3),

Start 47:

- Found in 1 of 485 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elle_64 (A15),

Start 50:

- Found in 22 of 485 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 426
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Anon_68 (A15),

Start 54:

- Found in 16 of 485 (3.3%) of genes in pham
- Manual Annotations of this start: 3 of 426
- Called 18.8% of time when present
- Phage (with cluster) where this start called: Breezona_99 (L2), Miley16_99 (L2), Winky_99 (L2),

Summary by clusters:

There are 18 clusters represented in this pham: A15, A14, A22, A16, A10, A13, A12, A19, A17, A1, A3, A2, A5, A4, A7, A6, A9, L2,

Info for manual annotations of cluster A1:

- Start number 32 was manually annotated 20 times for cluster A1.
- Start number 33 was manually annotated 6 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 34 was manually annotated 1 time for cluster A10.
- Start number 37 was manually annotated 16 times for cluster A10.

Info for manual annotations of cluster A12:

- Start number 38 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A15:

- Start number 50 was manually annotated 1 time for cluster A15.

Info for manual annotations of cluster A16:

- Start number 37 was manually annotated 2 times for cluster A16.

Info for manual annotations of cluster A19:

- Start number 37 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 26 was manually annotated 1 time for cluster A2.
- Start number 31 was manually annotated 2 times for cluster A2.
- Start number 35 was manually annotated 1 time for cluster A2.
- Start number 37 was manually annotated 10 times for cluster A2.
- Start number 38 was manually annotated 65 times for cluster A2.

Info for manual annotations of cluster A22:

- Start number 38 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 39 was manually annotated 51 times for cluster A3.
- Start number 40 was manually annotated 17 times for cluster A3.
- Start number 41 was manually annotated 33 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 26 was manually annotated 1 time for cluster A4.
- Start number 41 was manually annotated 110 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 23 was manually annotated 1 time for cluster A5.
- Start number 32 was manually annotated 8 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 27 was manually annotated 2 times for cluster A6.
- Start number 38 was manually annotated 45 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 27 was manually annotated 1 time for cluster A7.
- Start number 28 was manually annotated 1 time for cluster A7.
- Start number 36 was manually annotated 2 times for cluster A7.
- Start number 37 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A9:

- Start number 38 was manually annotated 18 times for cluster A9.

Info for manual annotations of cluster L2:

- Start number 54 was manually annotated 3 times for cluster L2.

Gene Information:

Gene: 20ES_68 Start: 41417, Stop: 41187, Start Num: 38

Candidate Starts for 20ES_68:

(Start: 38 @41417 has 134 MA's), (44, 41399), (76, 41270), (83, 41231),

Gene: 40AC_66 Start: 42289, Stop: 42059, Start Num: 34

Candidate Starts for 40AC_66:

(Start: 34 @42289 has 1 MA's), (43, 42277), (44, 42274), (Start: 50 @42241 has 1 MA's), (62, 42187), (73, 42157),

Gene: ACFishhook_66 Start: 41128, Stop: 40898, Start Num: 40

Candidate Starts for ACFishhook_66:

(Start: 40 @41128 has 17 MA's), (76, 40984), (83, 40945),

Gene: AN3_68 Start: 40132, Stop: 39902, Start Num: 38

Candidate Starts for AN3_68:

(Start: 38 @40132 has 134 MA's), (44, 40114), (76, 39985), (83, 39946),

Gene: AbbyPaige_68 Start: 41661, Stop: 41431, Start Num: 38

Candidate Starts for AbbyPaige_68:

(4, 41910), (24, 41715), (25, 41709), (Start: 38 @41661 has 134 MA's), (44, 41643), (76, 41514), (83, 41475),

Gene: AbbysRanger_60 Start: 40318, Stop: 40094, Start Num: 41

Candidate Starts for AbbysRanger_60:

(Start: 26 @40360 has 2 MA's), (Start: 27 @40348 has 3 MA's), (Start: 41 @40318 has 143 MA's), (82, 40153), (83, 40141),

Gene: Achebe_59 Start: 40343, Stop: 40077, Start Num: 26

Candidate Starts for Achebe_59:

(Start: 26 @40343 has 2 MA's), (Start: 27 @40331 has 3 MA's), (Start: 41 @40301 has 143 MA's), (82, 40136), (83, 40124),

Gene: Acolyte_59 Start: 40074, Stop: 39841, Start Num: 38

Candidate Starts for Acolyte_59:

(Start: 38 @40074 has 134 MA's), (44, 40056), (72, 39942), (76, 39927), (86, 39864), (88, 39849),

Gene: Agape74_68 Start: 41655, Stop: 41425, Start Num: 38

Candidate Starts for Agape74_68:

(4, 41904), (24, 41709), (25, 41703), (Start: 38 @41655 has 134 MA's), (44, 41637), (76, 41508), (83, 41469),

Gene: Aglet_69 Start: 41171, Stop: 40941, Start Num: 39

Candidate Starts for Aglet_69:

(Start: 27 @41198 has 3 MA's), (Start: 39 @41171 has 51 MA's), (72, 41042), (83, 40988),

Gene: AgronaGT15_67 Start: 41019, Stop: 40789, Start Num: 39

Candidate Starts for AgronaGT15_67:

(Start: 27 @41046 has 3 MA's), (Start: 39 @41019 has 51 MA's), (72, 40890), (83, 40836),

Gene: Airmid_58 Start: 39243, Stop: 38977, Start Num: 32

Candidate Starts for Airmid_58:

(Start: 32 @39243 has 28 MA's), (42, 39219), (45, 39210), (83, 39024),

Gene: Albee_62 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for Albee_62:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Alberto7_63 Start: 40801, Stop: 40577, Start Num: 41

Candidate Starts for Alberto7_63:

(Start: 26 @40843 has 2 MA's), (Start: 27 @40831 has 3 MA's), (Start: 41 @40801 has 143 MA's), (46, 40780), (83, 40624), (88, 40585),

Gene: Alma_66 Start: 40634, Stop: 40401, Start Num: 38

Candidate Starts for Alma_66:

(Start: 38 @40634 has 134 MA's), (44, 40616), (62, 40529), (71, 40502), (84, 40439), (86, 40424),

Gene: AnnaL29_67 Start: 42021, Stop: 41788, Start Num: 38

Candidate Starts for AnnaL29_67:

(Start: 27 @42051 has 3 MA's), (Start: 38 @42021 has 134 MA's), (44, 42003), (71, 41889), (76, 41874),

Gene: Annyong_61 Start: 40509, Stop: 40285, Start Num: 41

Candidate Starts for Annyong_61:

(Start: 26 @40551 has 2 MA's), (Start: 27 @40539 has 3 MA's), (Start: 41 @40509 has 143 MA's), (46, 40488), (83, 40332), (88, 40293),

Gene: Anon_68 Start: 39528, Stop: 39328, Start Num: 50

Candidate Starts for Anon_68:

(Start: 50 @39528 has 1 MA's),

Gene: Anselm_67 Start: 41559, Stop: 41329, Start Num: 38

Candidate Starts for Anselm_67:

(19, 41646), (Start: 27 @41592 has 3 MA's), (Start: 38 @41559 has 134 MA's), (44, 41541), (48, 41523), (83, 41373),

Gene: Artemis2UCLA_67 Start: 39185, Stop: 38952, Start Num: 38

Candidate Starts for Artemis2UCLA_67:

(Start: 27 @39215 has 3 MA's), (Start: 38 @39185 has 134 MA's), (44, 39167), (49, 39146), (53, 39119), (71, 39053), (79, 39026), (83, 38999), (88, 38960),

Gene: Arturo_60 Start: 40579, Stop: 40355, Start Num: 41

Candidate Starts for Arturo_60:

(Start: 26 @40621 has 2 MA's), (Start: 27 @40609 has 3 MA's), (Start: 41 @40579 has 143 MA's), (46, 40558), (83, 40402), (88, 40363),

Gene: Ashballer_61 Start: 40810, Stop: 40559, Start Num: 33

Candidate Starts for Ashballer_61:

(Start: 32 @40813 has 28 MA's), (Start: 33 @40810 has 6 MA's), (Start: 50 @40759 has 1 MA's), (Start: 54 @40741 has 3 MA's), (68, 40696),

Gene: AugsMagnumOpus_71 Start: 41162, Stop: 40932, Start Num: 39

Candidate Starts for AugsMagnumOpus_71:

(Start: 27 @41189 has 3 MA's), (Start: 39 @41162 has 51 MA's), (72, 41033), (83, 40979),

Gene: AvatarAhPeg_59 Start: 40091, Stop: 39867, Start Num: 41

Candidate Starts for AvatarAhPeg_59:

(Start: 26 @40133 has 2 MA's), (Start: 27 @40121 has 3 MA's), (Start: 41 @40091 has 143 MA's), (46, 40070),

Gene: Ayanochan_66 Start: 40417, Stop: 40184, Start Num: 38

Candidate Starts for Ayanochan_66:

(Start: 38 @40417 has 134 MA's), (44, 40399), (62, 40312), (71, 40285), (84, 40222), (86, 40207),

Gene: B1_57 Start: 39044, Stop: 38814, Start Num: 41

Candidate Starts for B1_57:

(Start: 26 @39086 has 2 MA's), (Start: 27 @39074 has 3 MA's), (Start: 41 @39044 has 143 MA's), (60, 38954),

Gene: BABullseye_59 Start: 36740, Stop: 36507, Start Num: 38

Candidate Starts for BABullseye_59:

(Start: 38 @36740 has 134 MA's), (44, 36722), (49, 36701), (53, 36674), (57, 36659), (71, 36608), (76, 36593),

Gene: Baby16_62 Start: 40475, Stop: 40251, Start Num: 41

Candidate Starts for Baby16_62:

(Start: 26 @40517 has 2 MA's), (Start: 27 @40505 has 3 MA's), (Start: 41 @40475 has 143 MA's), (46, 40454), (83, 40298), (88, 40259),

Gene: BabyBack_63 Start: 41397, Stop: 41167, Start Num: 35

Candidate Starts for BabyBack_63:

(Start: 35 @41397 has 1 MA's), (44, 41376), (73, 41262),

Gene: BabyJohn_60 Start: 40871, Stop: 40641, Start Num: 41

Candidate Starts for BabyJohn_60:

(Start: 26 @40913 has 2 MA's), (Start: 27 @40901 has 3 MA's), (Start: 41 @40871 has 143 MA's), (76, 40727),

Gene: BabyRay_65 Start: 40849, Stop: 40619, Start Num: 41

Candidate Starts for BabyRay_65:

(Start: 26 @40891 has 2 MA's), (Start: 27 @40879 has 3 MA's), (Start: 41 @40849 has 143 MA's), (76, 40705), (85, 40651),

Gene: Backyardigan_58 Start: 40334, Stop: 40110, Start Num: 41

Candidate Starts for Backyardigan_58:

(Start: 26 @40376 has 2 MA's), (Start: 27 @40364 has 3 MA's), (Start: 41 @40334 has 143 MA's), (82, 40169), (83, 40157),

Gene: Bactobuster_62 Start: 41701, Stop: 41465, Start Num: 37

Candidate Starts for Bactobuster_62:

(Start: 26 @41740 has 2 MA's), (Start: 27 @41728 has 3 MA's), (Start: 37 @41701 has 30 MA's), (44, 41680), (86, 41488), (88, 41473),

Gene: Badger_59 Start: 40302, Stop: 40078, Start Num: 41

Candidate Starts for Badger_59:

(Start: 26 @40344 has 2 MA's), (Start: 27 @40332 has 3 MA's), (Start: 41 @40302 has 143 MA's), (82, 40137), (83, 40125),

Gene: Baehexic_64 Start: 40861, Stop: 40631, Start Num: 38

Candidate Starts for Baehexic_64:

(Start: 38 @40861 has 134 MA's), (44, 40843), (48, 40825), (53, 40795), (83, 40678), (86, 40654),

Gene: BangNhom_61 Start: 40867, Stop: 40643, Start Num: 41

Candidate Starts for BangNhom_61:

(Start: 26 @40909 has 2 MA's), (Start: 27 @40897 has 3 MA's), (Start: 41 @40867 has 143 MA's), (46, 40846), (83, 40690), (88, 40651),

Gene: Bartimeaus_62 Start: 40466, Stop: 40242, Start Num: 41

Candidate Starts for Bartimeaus_62:

(Start: 26 @40508 has 2 MA's), (Start: 27 @40496 has 3 MA's), (Start: 41 @40466 has 143 MA's), (46, 40445), (83, 40289), (88, 40250),

Gene: Beatrix_58 Start: 40913, Stop: 40653, Start Num: 32

Candidate Starts for Beatrix_58:

(Start: 32 @40913 has 28 MA's), (56, 40826), (78, 40724),

Gene: Beauxregard13_67 Start: 41174, Stop: 40944, Start Num: 39

Candidate Starts for Beauxregard13_67:

(Start: 27 @41201 has 3 MA's), (Start: 39 @41174 has 51 MA's), (72, 41045), (83, 40991),

Gene: Bellris_64 Start: 40143, Stop: 39910, Start Num: 38

Candidate Starts for Bellris_64:

(Start: 38 @40143 has 134 MA's), (44, 40125), (53, 40077), (79, 39984), (86, 39933),

Gene: BellusTerra_63 Start: 40468, Stop: 40244, Start Num: 41

Candidate Starts for BellusTerra_63:

(Start: 26 @40510 has 2 MA's), (Start: 27 @40498 has 3 MA's), (Start: 41 @40468 has 143 MA's), (46, 40447), (83, 40291), (88, 40252),

Gene: Benedict_61 Start: 39533, Stop: 39267, Start Num: 32

Candidate Starts for Benedict_61:

(Start: 32 @39533 has 28 MA's), (45, 39500), (83, 39314),

Gene: BengiVuitton_66 Start: 41394, Stop: 41164, Start Num: 38

Candidate Starts for BengiVuitton_66:

(Start: 38 @41394 has 134 MA's), (44, 41376), (76, 41247), (83, 41208),

Gene: BennyP_66 Start: 39255, Stop: 39022, Start Num: 38

Candidate Starts for BennyP_66:

(Start: 27 @39285 has 3 MA's), (Start: 38 @39255 has 134 MA's), (44, 39237), (49, 39216), (53, 39189), (71, 39123), (79, 39096), (83, 39069), (88, 39030),

Gene: Benvolio_63 Start: 40669, Stop: 40436, Start Num: 38

Candidate Starts for Benvolio_63:

(Start: 38 @40669 has 134 MA's), (44, 40651), (76, 40522), (83, 40483),

Gene: Bethlehem_58 Start: 41462, Stop: 41202, Start Num: 32

Candidate Starts for Bethlehem_58:

(Start: 32 @41462 has 28 MA's), (56, 41375), (78, 41273),

Gene: Bexan_56 Start: 40692, Stop: 40432, Start Num: 32

Candidate Starts for Bexan_56:

(Start: 32 @40692 has 28 MA's), (56, 40605), (78, 40503),

Gene: BiancaTri92_67 Start: 41939, Stop: 41709, Start Num: 38

Candidate Starts for BiancaTri92_67:

(Start: 27 @41969 has 3 MA's), (Start: 38 @41939 has 134 MA's), (44, 41921), (83, 41756), (86, 41732),

Gene: Bigflo_67 Start: 41170, Stop: 40940, Start Num: 39

Candidate Starts for Bigflo_67:

(Start: 27 @41197 has 3 MA's), (Start: 39 @41170 has 51 MA's), (72, 41041), (83, 40987),

Gene: BillKnuckles_56 Start: 41364, Stop: 41107, Start Num: 32

Candidate Starts for BillKnuckles_56:

(Start: 32 @41364 has 28 MA's), (Start: 50 @41307 has 1 MA's), (Start: 54 @41289 has 3 MA's),

Gene: Blackmoor_61 Start: 40466, Stop: 40242, Start Num: 41

Candidate Starts for Blackmoor_61:

(Start: 26 @40508 has 2 MA's), (Start: 27 @40496 has 3 MA's), (Start: 41 @40466 has 143 MA's), (46, 40445), (83, 40289), (88, 40250),

Gene: BlessJoy_67 Start: 39611, Stop: 39378, Start Num: 38

Candidate Starts for BlessJoy_67:

(Start: 27 @39641 has 3 MA's), (Start: 38 @39611 has 134 MA's), (44, 39593), (49, 39572), (53, 39545), (71, 39479), (79, 39452), (83, 39425), (88, 39386),

Gene: Blinn1_69 Start: 39269, Stop: 39036, Start Num: 38

Candidate Starts for Blinn1_69:

(Start: 38 @39269 has 134 MA's), (44, 39251), (49, 39230), (53, 39203), (57, 39188), (71, 39137), (76, 39122),

Gene: Blue7_68 Start: 39279, Stop: 39046, Start Num: 38

Candidate Starts for Blue7_68:

(Start: 27 @39309 has 3 MA's), (Start: 38 @39279 has 134 MA's), (44, 39261), (49, 39240), (53, 39213), (71, 39147), (79, 39120), (83, 39093), (88, 39054),

Gene: BlueBird_67 Start: 40896, Stop: 40666, Start Num: 41

Candidate Starts for BlueBird_67:

(Start: 26 @40938 has 2 MA's), (Start: 27 @40926 has 3 MA's), (Start: 41 @40896 has 143 MA's), (76, 40752), (77, 40749), (85, 40698),

Gene: BobSwaget_60 Start: 39664, Stop: 39434, Start Num: 38

Candidate Starts for BobSwaget_60:

(Start: 38 @39664 has 134 MA's), (44, 39646), (73, 39532), (83, 39481), (88, 39442),

Gene: BogosyJay_67 Start: 40706, Stop: 40473, Start Num: 38

Candidate Starts for BogosyJay_67:

(Start: 38 @40706 has 134 MA's), (44, 40688), (71, 40574), (86, 40496),

Gene: Bones_58 Start: 41008, Stop: 40748, Start Num: 32

Candidate Starts for Bones_58:

(Start: 32 @41008 has 28 MA's), (Start: 50 @40948 has 1 MA's), (Start: 54 @40930 has 3 MA's), (81, 40807),

Gene: Breezona_99 Start: 61842, Stop: 62027, Start Num: 54

Candidate Starts for Breezona_99:

(Start: 54 @61842 has 3 MA's), (55, 61845), (58, 61869), (63, 61881), (67, 61887), (75, 61938), (82, 61968), (83, 61980), (85, 61995),

Gene: Broseidon_62 Start: 40466, Stop: 40242, Start Num: 41

Candidate Starts for Broseidon_62:

(Start: 26 @40508 has 2 MA's), (Start: 27 @40496 has 3 MA's), (Start: 41 @40466 has 143 MA's), (46, 40445), (83, 40289), (88, 40250),

Gene: Bugatti_65 Start: 40896, Stop: 40666, Start Num: 41

Candidate Starts for Bugatti_65:

(Start: 26 @40938 has 2 MA's), (Start: 27 @40926 has 3 MA's), (Start: 41 @40896 has 143 MA's), (76, 40752), (77, 40749), (85, 40698),

Gene: Buggy_68 Start: 41712, Stop: 41482, Start Num: 38

Candidate Starts for Buggy_68:

(Start: 38 @41712 has 134 MA's), (44, 41694), (76, 41565), (83, 41526),

Gene: Bumblebee11_59 Start: 40304, Stop: 40080, Start Num: 41

Candidate Starts for Bumblebee11_59:

(Start: 26 @40346 has 2 MA's), (Start: 27 @40334 has 3 MA's), (Start: 41 @40304 has 143 MA's), (82, 40139), (83, 40127),

Gene: Burger_60 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for Burger_60:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: BuzzBuzz_64 Start: 41198, Stop: 40968, Start Num: 39

Candidate Starts for BuzzBuzz_64:

(Start: 27 @41225 has 3 MA's), (Start: 39 @41198 has 51 MA's), (72, 41069),

Gene: Bxz2_63 Start: 41205, Stop: 40975, Start Num: 39

Candidate Starts for Bxz2_63:

(Start: 27 @41232 has 3 MA's), (Start: 39 @41205 has 51 MA's), (72, 41076), (83, 41022),

Gene: CRB1_68 Start: 41940, Stop: 41710, Start Num: 38

Candidate Starts for CRB1_68:

(Start: 38 @41940 has 134 MA's), (44, 41922), (76, 41793), (83, 41754),

Gene: Caelakin_61 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for Caelakin_61:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Calvinny_67 Start: 41056, Stop: 40826, Start Num: 40

Candidate Starts for Calvinny_67:

(Start: 40 @41056 has 17 MA's), (76, 40912), (83, 40873),

Gene: Candra_64 Start: 39104, Stop: 38871, Start Num: 38
Candidate Starts for Candra_64:
(Start: 38 @39104 has 134 MA's), (44, 39086), (49, 39065), (53, 39038), (57, 39023), (71, 38972), (76, 38957),

Gene: Caraxes_68 Start: 39685, Stop: 39446, Start Num: 31
Candidate Starts for Caraxes_68:
(Start: 31 @39685 has 2 MA's), (42, 39667), (49, 39646), (Start: 50 @39634 has 1 MA's), (72, 39547),

Gene: Caviar_64 Start: 40846, Stop: 40643, Start Num: 41
Candidate Starts for Caviar_64:
(Start: 27 @40876 has 3 MA's), (Start: 41 @40846 has 143 MA's), (79, 40717), (88, 40651),

Gene: Centaur_66 Start: 41075, Stop: 40845, Start Num: 38
Candidate Starts for Centaur_66:
(Start: 38 @41075 has 134 MA's), (44, 41057), (48, 41039), (53, 41009), (83, 40892), (86, 40868),

Gene: CentreCat_62 Start: 40467, Stop: 40243, Start Num: 41
Candidate Starts for CentreCat_62:
(Start: 26 @40509 has 2 MA's), (Start: 27 @40497 has 3 MA's), (Start: 41 @40467 has 143 MA's), (46, 40446), (83, 40290), (88, 40251),

Gene: Cerulean_63 Start: 40868, Stop: 40644, Start Num: 41
Candidate Starts for Cerulean_63:
(Start: 26 @40910 has 2 MA's), (Start: 27 @40898 has 3 MA's), (Start: 41 @40868 has 143 MA's), (46, 40847), (83, 40691), (88, 40652),

Gene: Chadwick_60 Start: 39218, Stop: 38952, Start Num: 32
Candidate Starts for Chadwick_60:
(13, 39320), (Start: 32 @39218 has 28 MA's), (81, 39011),

Gene: ChampagnePapi_64 Start: 40867, Stop: 40643, Start Num: 41
Candidate Starts for ChampagnePapi_64:
(Start: 26 @40909 has 2 MA's), (Start: 27 @40897 has 3 MA's), (Start: 41 @40867 has 143 MA's), (46, 40846), (83, 40690), (88, 40651),

Gene: Chaph_62 Start: 40475, Stop: 40251, Start Num: 41
Candidate Starts for Chaph_62:
(Start: 26 @40517 has 2 MA's), (Start: 27 @40505 has 3 MA's), (Start: 41 @40475 has 143 MA's), (46, 40454), (83, 40298), (88, 40259),

Gene: Chargerpower_63 Start: 38909, Stop: 38718, Start Num: 38
Candidate Starts for Chargerpower_63:
(14, 39011), (Start: 27 @38939 has 3 MA's), (Start: 38 @38909 has 134 MA's), (44, 38891), (49, 38870), (59, 38822), (82, 38777),

Gene: Chartreuse_65 Start: 38455, Stop: 38222, Start Num: 38
Candidate Starts for Chartreuse_65:
(Start: 38 @38455 has 134 MA's), (44, 38437), (49, 38416), (53, 38389), (57, 38374), (71, 38323), (76, 38308),

Gene: ChipMunk_68 Start: 42936, Stop: 42706, Start Num: 38
Candidate Starts for ChipMunk_68:

(4, 43188), (7, 43140), (24, 42990), (Start: 38 @42936 has 134 MA's), (44, 42918), (76, 42789), (83, 42750),

Gene: Chiqui_60 Start: 40880, Stop: 40650, Start Num: 41

Candidate Starts for Chiqui_60:

(Start: 26 @40922 has 2 MA's), (Start: 27 @40910 has 3 MA's), (Start: 41 @40880 has 143 MA's), (76, 40736),

Gene: Chupacabra_60 Start: 40090, Stop: 39857, Start Num: 37

Candidate Starts for Chupacabra_60:

(Start: 37 @40090 has 30 MA's), (44, 40069),

Gene: Cici_60 Start: 40319, Stop: 40095, Start Num: 41

Candidate Starts for Cici_60:

(Start: 26 @40361 has 2 MA's), (Start: 27 @40349 has 3 MA's), (Start: 41 @40319 has 143 MA's), (82, 40154), (83, 40142),

Gene: Cindaradix_57 Start: 39937, Stop: 39713, Start Num: 41

Candidate Starts for Cindaradix_57:

(Start: 26 @39979 has 2 MA's), (Start: 27 @39967 has 3 MA's), (Start: 41 @39937 has 143 MA's), (46, 39916),

Gene: Cintron_62 Start: 40587, Stop: 40363, Start Num: 41

Candidate Starts for Cintron_62:

(Start: 26 @40629 has 2 MA's), (Start: 27 @40617 has 3 MA's), (Start: 41 @40587 has 143 MA's), (46, 40566),

Gene: Citius_62 Start: 40485, Stop: 40261, Start Num: 41

Candidate Starts for Citius_62:

(Start: 26 @40527 has 2 MA's), (Start: 27 @40515 has 3 MA's), (Start: 41 @40485 has 143 MA's), (46, 40464), (83, 40308), (88, 40269),

Gene: Clammy_65 Start: 40896, Stop: 40666, Start Num: 41

Candidate Starts for Clammy_65:

(Start: 26 @40938 has 2 MA's), (Start: 27 @40926 has 3 MA's), (Start: 41 @40896 has 143 MA's), (76, 40752), (77, 40749), (85, 40698),

Gene: CloudWang3_68 Start: 39697, Stop: 39464, Start Num: 38

Candidate Starts for CloudWang3_68:

(Start: 27 @39727 has 3 MA's), (Start: 38 @39697 has 134 MA's), (44, 39679), (49, 39658), (53, 39631), (71, 39565), (79, 39538), (83, 39511), (88, 39472),

Gene: ClownCar_67 Start: 41049, Stop: 40819, Start Num: 40

Candidate Starts for ClownCar_67:

(Start: 40 @41049 has 17 MA's), (76, 40905), (83, 40866),

Gene: CogOmlette_64 Start: 40140, Stop: 39907, Start Num: 38

Candidate Starts for CogOmlette_64:

(Start: 38 @40140 has 134 MA's), (44, 40122), (53, 40074), (79, 39981), (86, 39930),

Gene: Colin_64 Start: 41389, Stop: 41159, Start Num: 38

Candidate Starts for Colin_64:

(2, 41761), (9, 41566), (Start: 23 @41446 has 1 MA's), (Start: 27 @41419 has 3 MA's), (Start: 38 @41389 has 134 MA's), (44, 41371), (71, 41257), (76, 41242),

Gene: Commander_61 Start: 40463, Stop: 40239, Start Num: 41
Candidate Starts for Commander_61:

(Start: 26 @40505 has 2 MA's), (Start: 27 @40493 has 3 MA's), (Start: 41 @40463 has 143 MA's), (46, 40442), (83, 40286), (88, 40247),

Gene: Connomayer_62 Start: 40464, Stop: 40240, Start Num: 41
Candidate Starts for Connomayer_62:

(Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Conquerage_66 Start: 40403, Stop: 40170, Start Num: 38
Candidate Starts for Conquerage_66:

(Start: 38 @40403 has 134 MA's), (44, 40385), (62, 40298), (71, 40271), (84, 40208), (86, 40193),

Gene: Cookiedough_66 Start: 39083, Stop: 38850, Start Num: 38
Candidate Starts for Cookiedough_66:

(Start: 38 @39083 has 134 MA's), (44, 39065), (49, 39044), (53, 39017), (57, 39002), (71, 38951), (76, 38936),

Gene: Croquant_67 Start: 41169, Stop: 40939, Start Num: 39
Candidate Starts for Croquant_67:

(Start: 27 @41196 has 3 MA's), (Start: 39 @41169 has 51 MA's), (72, 41040), (83, 40986),

Gene: Crucio_66 Start: 41335, Stop: 41105, Start Num: 38
Candidate Starts for Crucio_66:

(Start: 38 @41335 has 134 MA's), (44, 41317), (48, 41299), (82, 41161),

Gene: Cueyllyss_59 Start: 41208, Stop: 40948, Start Num: 32
Candidate Starts for Cueyllyss_59:

(Start: 32 @41208 has 28 MA's), (Start: 50 @41148 has 1 MA's), (Start: 54 @41130 has 3 MA's), (81, 41007),

Gene: Cullens_68 Start: 41170, Stop: 40940, Start Num: 39
Candidate Starts for Cullens_68:

(Start: 27 @41197 has 3 MA's), (Start: 39 @41170 has 51 MA's), (72, 41041), (83, 40987),

Gene: DaVinci_64 Start: 38509, Stop: 38276, Start Num: 38
Candidate Starts for DaVinci_64:

(Start: 38 @38509 has 134 MA's), (44, 38491), (49, 38470), (53, 38443), (57, 38428), (71, 38377), (76, 38362),

Gene: Dalmatian_67 Start: 41532, Stop: 41302, Start Num: 38
Candidate Starts for Dalmatian_67:

(1, 41907), (3, 41886), (11, 41697), (15, 41628), (19, 41616), (Start: 38 @41532 has 134 MA's), (44, 41514), (48, 41496), (83, 41346),

Gene: Darrell_69 Start: 41231, Stop: 40998, Start Num: 38
Candidate Starts for Darrell_69:

(Start: 38 @41231 has 134 MA's), (44, 41213), (79, 41072), (86, 41021),

Gene: DarthPhader_63 Start: 41641, Stop: 41408, Start Num: 38
Candidate Starts for DarthPhader_63:
(Start: 27 @41671 has 3 MA's), (Start: 38 @41641 has 134 MA's), (44, 41623), (Start: 50 @41590 has 1 MA's),

Gene: Datway_60 Start: 40290, Stop: 40066, Start Num: 41
Candidate Starts for Datway_60:
(Start: 26 @40332 has 2 MA's), (Start: 27 @40320 has 3 MA's), (Start: 41 @40290 has 143 MA's), (82, 40125), (83, 40113),

Gene: Deano_60 Start: 40472, Stop: 40248, Start Num: 41
Candidate Starts for Deano_60:
(Start: 26 @40514 has 2 MA's), (Start: 27 @40502 has 3 MA's), (Start: 41 @40472 has 143 MA's), (46, 40451), (83, 40295), (88, 40256),

Gene: DeerParkTS_63 Start: 40456, Stop: 40226, Start Num: 38
Candidate Starts for DeerParkTS_63:
(Start: 38 @40456 has 134 MA's), (44, 40438), (62, 40351), (71, 40324), (76, 40309),

Gene: Deloris_66 Start: 41090, Stop: 40860, Start Num: 38
Candidate Starts for Deloris_66:
(Start: 38 @41090 has 134 MA's), (44, 41072), (76, 40943), (83, 40904),

Gene: DelvinSonDorr_63 Start: 39314, Stop: 39081, Start Num: 38
Candidate Starts for DelvinSonDorr_63:
(Start: 38 @39314 has 134 MA's), (44, 39296), (53, 39248), (57, 39233), (71, 39182), (76, 39167),

Gene: Dhanush_62 Start: 40467, Stop: 40243, Start Num: 41
Candidate Starts for Dhanush_62:
(Start: 26 @40509 has 2 MA's), (Start: 27 @40497 has 3 MA's), (Start: 41 @40467 has 143 MA's), (46, 40446), (83, 40290), (88, 40251),

Gene: Dieselweasel_69 Start: 41173, Stop: 40943, Start Num: 39
Candidate Starts for Dieselweasel_69:
(Start: 27 @41200 has 3 MA's), (Start: 39 @41173 has 51 MA's), (72, 41044), (83, 40990),

Gene: Dignity_68 Start: 41750, Stop: 41520, Start Num: 38
Candidate Starts for Dignity_68:
(Start: 38 @41750 has 134 MA's), (44, 41732), (76, 41603), (83, 41564),

Gene: DirtyDunning_61 Start: 40479, Stop: 40255, Start Num: 41
Candidate Starts for DirtyDunning_61:
(Start: 26 @40521 has 2 MA's), (Start: 27 @40509 has 3 MA's), (Start: 41 @40479 has 143 MA's), (46, 40458), (83, 40302), (88, 40263),

Gene: DontArgue_58 Start: 39140, Stop: 38904, Start Num: 37
Candidate Starts for DontArgue_58:
(Start: 37 @39140 has 30 MA's), (44, 39119), (71, 39005), (73, 39002), (86, 38927),

Gene: Doom_56 Start: 39819, Stop: 39559, Start Num: 32
Candidate Starts for Doom_56:
(Start: 32 @39819 has 28 MA's), (56, 39732), (78, 39630),

Gene: Dorothea_66 Start: 39081, Stop: 38848, Start Num: 38
Candidate Starts for Dorothea_66:
(Start: 38 @39081 has 134 MA's), (44, 39063), (49, 39042), (53, 39015), (71, 38949), (76, 38934),

Gene: Drake55_67 Start: 41178, Stop: 40948, Start Num: 38
Candidate Starts for Drake55_67:
(Start: 38 @41178 has 134 MA's), (44, 41160), (48, 41142), (53, 41112), (83, 40995), (86, 40971),

Gene: Drake94_59 Start: 39177, Stop: 38941, Start Num: 37
Candidate Starts for Drake94_59:
(Start: 37 @39177 has 30 MA's), (44, 39156), (49, 39135), (71, 39042), (76, 39027),

Gene: Dreamboat_59 Start: 39108, Stop: 38848, Start Num: 32
Candidate Starts for Dreamboat_59:
(Start: 32 @39108 has 28 MA's), (56, 39021), (78, 38919),

Gene: DroogsArmy_61 Start: 43358, Stop: 43107, Start Num: 27
Candidate Starts for DroogsArmy_61:
(Start: 27 @43358 has 3 MA's), (Start: 36 @43328 has 2 MA's), (44, 43307), (82, 43166),

Gene: DropBear_63 Start: 40798, Stop: 40568, Start Num: 41
Candidate Starts for DropBear_63:
(Start: 26 @40840 has 2 MA's), (Start: 27 @40828 has 3 MA's), (Start: 41 @40798 has 143 MA's), (51, 40753),

Gene: Druantia_61 Start: 40467, Stop: 40243, Start Num: 41
Candidate Starts for Druantia_61:
(Start: 26 @40509 has 2 MA's), (Start: 27 @40497 has 3 MA's), (Start: 41 @40467 has 143 MA's), (46, 40446), (83, 40290), (88, 40251),

Gene: DudeLittle_65 Start: 41298, Stop: 41068, Start Num: 38
Candidate Starts for DudeLittle_65:
(1, 41673), (3, 41652), (11, 41463), (15, 41394), (19, 41382), (Start: 38 @41298 has 134 MA's), (44, 41280), (48, 41262), (83, 41112),

Gene: Dulcie_58 Start: 39702, Stop: 39451, Start Num: 33
Candidate Starts for Dulcie_58:
(Start: 33 @39702 has 6 MA's), (Start: 50 @39651 has 1 MA's), (Start: 54 @39633 has 3 MA's),

Gene: DustyMartin_64 Start: 40196, Stop: 39963, Start Num: 37
Candidate Starts for DustyMartin_64:
(Start: 27 @40223 has 3 MA's), (Start: 37 @40196 has 30 MA's), (44, 40175), (61, 40091),

Gene: EZMoney23_63 Start: 41001, Stop: 40768, Start Num: 38
Candidate Starts for EZMoney23_63:
(Start: 38 @41001 has 134 MA's), (44, 40983), (62, 40896), (76, 40854), (86, 40791),

Gene: Eagle_61 Start: 40489, Stop: 40265, Start Num: 41
Candidate Starts for Eagle_61:
(Start: 41 @40489 has 143 MA's), (46, 40468), (83, 40312), (88, 40273),

Gene: EagleEye_68 Start: 40411, Stop: 40178, Start Num: 37
Candidate Starts for EagleEye_68:

(Start: 27 @40438 has 3 MA's), (Start: 37 @40411 has 30 MA's), (44, 40390), (82, 40237),

Gene: Eaglepride_62 Start: 40120, Stop: 39884, Start Num: 34

Candidate Starts for Eaglepride_62:

(Start: 34 @40120 has 1 MA's), (44, 40099), (62, 40012), (82, 39943),

Gene: Eapen_62 Start: 40459, Stop: 40235, Start Num: 41

Candidate Starts for Eapen_62:

(Start: 26 @40501 has 2 MA's), (Start: 27 @40489 has 3 MA's), (Start: 41 @40459 has 143 MA's), (46, 40438), (82, 40294), (83, 40282), (88, 40243),

Gene: Echild_66 Start: 40693, Stop: 40460, Start Num: 38

Candidate Starts for Echild_66:

(Start: 38 @40693 has 134 MA's), (44, 40675), (76, 40546), (83, 40507),

Gene: Edison31_58 Start: 39960, Stop: 39727, Start Num: 37

Candidate Starts for Edison31_58:

(Start: 27 @39987 has 3 MA's), (Start: 37 @39960 has 30 MA's), (44, 39939), (61, 39855),

Gene: Eidsmoe_66 Start: 40395, Stop: 40162, Start Num: 38

Candidate Starts for Eidsmoe_66:

(Start: 38 @40395 has 134 MA's), (44, 40377), (62, 40290), (71, 40263), (84, 40200), (86, 40185),

Gene: EITiger69_60 Start: 39467, Stop: 39201, Start Num: 32

Candidate Starts for EITiger69_60:

(Start: 32 @39467 has 28 MA's), (45, 39434), (83, 39248),

Gene: Elephantoon_66 Start: 40030, Stop: 39797, Start Num: 38

Candidate Starts for Elephantoon_66:

(Start: 38 @40030 has 134 MA's), (44, 40012), (53, 39964), (79, 39871), (86, 39820),

Gene: Elle_64 Start: 38131, Stop: 37913, Start Num: 47

Candidate Starts for Elle_64:

(47, 38131), (Start: 50 @38113 has 1 MA's), (52, 38107), (64, 38056), (66, 38053), (83, 37957),

Gene: EmyBug_65 Start: 40397, Stop: 40164, Start Num: 38

Candidate Starts for EmyBug_65:

(Start: 38 @40397 has 134 MA's), (44, 40379), (62, 40292), (71, 40265), (84, 40202), (86, 40187),

Gene: EpicPhail_69 Start: 41174, Stop: 40944, Start Num: 39

Candidate Starts for EpicPhail_69:

(Start: 27 @41201 has 3 MA's), (Start: 39 @41174 has 51 MA's), (72, 41045), (83, 40991),

Gene: Equemioh13_65 Start: 40980, Stop: 40750, Start Num: 38

Candidate Starts for Equemioh13_65:

(Start: 38 @40980 has 134 MA's), (44, 40962), (48, 40944), (53, 40914), (83, 40797), (86, 40773),

Gene: EricB_65 Start: 39061, Stop: 38828, Start Num: 38

Candidate Starts for EricB_65:

(Start: 38 @39061 has 134 MA's), (44, 39043), (49, 39022), (53, 38995), (57, 38980), (71, 38929), (76, 38914),

Gene: Eros_62 Start: 40466, Stop: 40242, Start Num: 41

Candidate Starts for Eros_62:

(Start: 26 @40508 has 2 MA's), (Start: 27 @40496 has 3 MA's), (Start: 41 @40466 has 143 MA's), (46, 40445), (83, 40289), (88, 40250),

Gene: EtoileNova_63 Start: 40850, Stop: 40647, Start Num: 41

Candidate Starts for EtoileNova_63:

(Start: 27 @40880 has 3 MA's), (Start: 41 @40850 has 143 MA's), (79, 40721), (88, 40655),

Gene: Eurydice_63 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for Eurydice_63:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: EvilGenius_67 Start: 42937, Stop: 42707, Start Num: 38

Candidate Starts for EvilGenius_67:

(4, 43189), (7, 43141), (24, 42991), (Start: 38 @42937 has 134 MA's), (44, 42919), (76, 42790), (83, 42751),

Gene: ExplosioNervosa_66 Start: 40463, Stop: 40230, Start Num: 38

Candidate Starts for ExplosioNervosa_66:

(Start: 38 @40463 has 134 MA's), (44, 40445), (62, 40358), (71, 40331), (84, 40268), (86, 40253),

Gene: Fameo_66 Start: 41657, Stop: 41427, Start Num: 38

Candidate Starts for Fameo_66:

(19, 41744), (Start: 26 @41702 has 2 MA's), (Start: 27 @41690 has 3 MA's), (Start: 38 @41657 has 134 MA's), (44, 41639), (48, 41621), (76, 41510), (83, 41471),

Gene: Farber_68 Start: 41160, Stop: 40930, Start Num: 39

Candidate Starts for Farber_68:

(Start: 27 @41187 has 3 MA's), (Start: 39 @41160 has 51 MA's), (72, 41031), (83, 40977),

Gene: Fayely_66 Start: 40364, Stop: 40131, Start Num: 38

Candidate Starts for Fayely_66:

(Start: 38 @40364 has 134 MA's), (44, 40346), (62, 40259), (71, 40232), (84, 40169), (86, 40154),

Gene: Fernando_68 Start: 41170, Stop: 40940, Start Num: 39

Candidate Starts for Fernando_68:

(Start: 27 @41197 has 3 MA's), (Start: 39 @41170 has 51 MA's), (72, 41041), (83, 40987),

Gene: FiringLine_66 Start: 41316, Stop: 41086, Start Num: 38

Candidate Starts for FiringLine_66:

(Start: 38 @41316 has 134 MA's), (44, 41298), (48, 41280), (82, 41142),

Gene: First_0067 Start: 41317, Stop: 41087, Start Num: 38

Candidate Starts for First_0067:

(Start: 38 @41317 has 134 MA's), (44, 41299), (76, 41170), (83, 41131),

Gene: Flare16_65 Start: 40736, Stop: 40506, Start Num: 38

Candidate Starts for Flare16_65:

(Start: 38 @40736 has 134 MA's), (44, 40718), (48, 40700), (53, 40670), (83, 40553), (86, 40529),

Gene: Florean_62 Start: 40463, Stop: 40239, Start Num: 41

Candidate Starts for Florean_62:

(Start: 26 @40505 has 2 MA's), (Start: 27 @40493 has 3 MA's), (Start: 41 @40463 has 143 MA's), (46, 40442), (83, 40286), (88, 40247),

Gene: FlyCatcher_67 Start: 44015, Stop: 43773, Start Num: 36

Candidate Starts for FlyCatcher_67:

(10, 44180), (12, 44129), (16, 44096), (Start: 36 @44015 has 2 MA's), (44, 43994), (46, 43982), (82, 43832),

Gene: ForesterFrank_62 Start: 41646, Stop: 41413, Start Num: 38

Candidate Starts for ForesterFrank_62:

(Start: 27 @41676 has 3 MA's), (Start: 38 @41646 has 134 MA's), (44, 41628), (Start: 50 @41595 has 1 MA's), (62, 41541), (71, 41514), (76, 41499), (86, 41436),

Gene: Fred313_63 Start: 40492, Stop: 40262, Start Num: 41

Candidate Starts for Fred313_63:

(Start: 26 @40534 has 2 MA's), (Start: 27 @40522 has 3 MA's), (Start: 41 @40492 has 143 MA's), (51, 40447),

Gene: Gadost_62 Start: 40468, Stop: 40244, Start Num: 41

Candidate Starts for Gadost_62:

(Start: 26 @40510 has 2 MA's), (Start: 27 @40498 has 3 MA's), (Start: 41 @40468 has 143 MA's), (46, 40447), (83, 40291), (88, 40252),

Gene: GageAP_59 Start: 40447, Stop: 40187, Start Num: 32

Candidate Starts for GageAP_59:

(Start: 32 @40447 has 28 MA's), (56, 40360), (70, 40300), (71, 40297),

Gene: Garak_68 Start: 39552, Stop: 39319, Start Num: 38

Candidate Starts for Garak_68:

(Start: 27 @39582 has 3 MA's), (Start: 38 @39552 has 134 MA's), (44, 39534), (49, 39513), (53, 39486), (71, 39420), (79, 39393), (83, 39366), (88, 39327),

Gene: GaugeLDP_62 Start: 40923, Stop: 40693, Start Num: 37

Candidate Starts for GaugeLDP_62:

(22, 41004), (Start: 27 @40953 has 3 MA's), (Start: 37 @40923 has 30 MA's), (43, 40905), (44, 40902), (73, 40788),

Gene: Gemma_67 Start: 41052, Stop: 40822, Start Num: 40

Candidate Starts for Gemma_67:

(Start: 40 @41052 has 17 MA's), (76, 40908), (83, 40869),

Gene: Georgie2_67 Start: 41361, Stop: 41131, Start Num: 38

Candidate Starts for Georgie2_67:

(Start: 38 @41361 has 134 MA's), (44, 41343), (48, 41325), (82, 41187),

Gene: GingkoMaracino_68 Start: 41056, Stop: 40826, Start Num: 39

Candidate Starts for GingkoMaracino_68:

(Start: 27 @41083 has 3 MA's), (Start: 39 @41056 has 51 MA's), (72, 40927), (83, 40873),

Gene: Giroux_67 Start: 40895, Stop: 40665, Start Num: 41

Candidate Starts for Giroux_67:

(Start: 26 @40937 has 2 MA's), (Start: 27 @40925 has 3 MA's), (Start: 41 @40895 has 143 MA's), (76, 40751), (77, 40748), (85, 40697),

Gene: Gladiator_64 Start: 38807, Stop: 38544, Start Num: 27

Candidate Starts for Gladiator_64:

(Start: 27 @38807 has 3 MA's), (29, 38795), (Start: 38 @38777 has 134 MA's), (44, 38759), (49, 38738), (53, 38711), (71, 38645), (79, 38618), (83, 38591), (88, 38552),

Gene: Goose_62 Start: 39906, Stop: 39673, Start Num: 37

Candidate Starts for Goose_62:

(Start: 37 @39906 has 30 MA's), (44, 39885),

Gene: Graduation_62 Start: 41280, Stop: 41020, Start Num: 32

Candidate Starts for Graduation_62:

(Start: 32 @41280 has 28 MA's), (Start: 50 @41220 has 1 MA's), (Start: 54 @41202 has 3 MA's), (81, 41079),

Gene: Gratitude_63 Start: 40980, Stop: 40750, Start Num: 38

Candidate Starts for Gratitude_63:

(Start: 38 @40980 has 134 MA's), (44, 40962), (48, 40944), (53, 40914), (83, 40797), (86, 40773),

Gene: GreedyLawyer_63 Start: 39068, Stop: 38835, Start Num: 38

Candidate Starts for GreedyLawyer_63:

(Start: 38 @39068 has 134 MA's), (44, 39050), (49, 39029), (53, 39002), (57, 38987), (71, 38936), (76, 38921),

Gene: Grif_68 Start: 41245, Stop: 41015, Start Num: 39

Candidate Starts for Grif_68:

(Start: 27 @41272 has 3 MA's), (Start: 39 @41245 has 51 MA's), (72, 41116), (83, 41062),

Gene: Groupthink_69 Start: 41056, Stop: 40826, Start Num: 40

Candidate Starts for Groupthink_69:

(Start: 40 @41056 has 17 MA's), (76, 40912), (83, 40873),

Gene: Grub_68 Start: 41162, Stop: 40932, Start Num: 39

Candidate Starts for Grub_68:

(Start: 27 @41189 has 3 MA's), (Start: 39 @41162 has 51 MA's), (72, 41033), (83, 40979),

Gene: Grum1_67 Start: 41170, Stop: 40940, Start Num: 39

Candidate Starts for Grum1_67:

(Start: 27 @41197 has 3 MA's), (Start: 39 @41170 has 51 MA's), (72, 41041), (83, 40987),

Gene: Gruunaga_67 Start: 39476, Stop: 39243, Start Num: 38

Candidate Starts for Gruunaga_67:

(Start: 27 @39506 has 3 MA's), (Start: 38 @39476 has 134 MA's), (44, 39458), (49, 39437), (53, 39410), (71, 39344), (83, 39290), (88, 39251),

Gene: GtownJaz_68 Start: 41172, Stop: 40942, Start Num: 39

Candidate Starts for GtownJaz_68:

(Start: 27 @41199 has 3 MA's), (Start: 39 @41172 has 51 MA's), (72, 41043), (83, 40989),

Gene: Gwendoluna_61 Start: 41840, Stop: 41589, Start Num: 33

Candidate Starts for Gwendoluna_61:

(Start: 33 @41840 has 6 MA's), (Start: 50 @41789 has 1 MA's), (Start: 54 @41771 has 3 MA's),

Gene: Gwennie_65 Start: 41174, Stop: 40944, Start Num: 39
Candidate Starts for Gwennie_65:
(Start: 27 @41201 has 3 MA's), (Start: 39 @41174 has 51 MA's), (72, 41045), (83, 40991),

Gene: HINdeR_62 Start: 43023, Stop: 42802, Start Num: 36
Candidate Starts for HINdeR_62:
(10, 43197), (12, 43146), (Start: 36 @43023 has 2 MA's), (44, 43002),

Gene: Hammer_67 Start: 39083, Stop: 38850, Start Num: 38
Candidate Starts for Hammer_67:
(Start: 27 @39113 has 3 MA's), (Start: 38 @39083 has 134 MA's), (44, 39065), (49, 39044), (53, 39017), (71, 38951), (83, 38897), (88, 38858),

Gene: Hanray_66 Start: 40727, Stop: 40494, Start Num: 38
Candidate Starts for Hanray_66:
(Start: 38 @40727 has 134 MA's), (44, 40709), (62, 40622), (71, 40595), (84, 40532), (86, 40517),

Gene: Happiness_61 Start: 40450, Stop: 40226, Start Num: 41
Candidate Starts for Happiness_61:
(Start: 26 @40492 has 2 MA's), (Start: 27 @40480 has 3 MA's), (Start: 41 @40450 has 143 MA's), (46, 40429), (83, 40273), (88, 40234),

Gene: HarryHoudini_66 Start: 41179, Stop: 40949, Start Num: 38
Candidate Starts for HarryHoudini_66:
(Start: 38 @41179 has 134 MA's), (44, 41161), (48, 41143), (53, 41113), (83, 40996), (86, 40972),

Gene: HashRod_69 Start: 41198, Stop: 40968, Start Num: 39
Candidate Starts for HashRod_69:
(Start: 27 @41225 has 3 MA's), (Start: 39 @41198 has 51 MA's), (72, 41069),

Gene: HaveUMetTed_69 Start: 41041, Stop: 40811, Start Num: 40
Candidate Starts for HaveUMetTed_69:
(Start: 40 @41041 has 17 MA's), (76, 40897), (83, 40858),

Gene: Heathen_65 Start: 40587, Stop: 40357, Start Num: 41
Candidate Starts for Heathen_65:
(Start: 26 @40629 has 2 MA's), (Start: 27 @40617 has 3 MA's), (Start: 41 @40587 has 143 MA's), (51, 40542),

Gene: Heffalump_65 Start: 42125, Stop: 41895, Start Num: 38
Candidate Starts for Heffalump_65:
(19, 42212), (Start: 27 @42158 has 3 MA's), (Start: 38 @42125 has 134 MA's), (44, 42107), (48, 42089), (83, 41939),

Gene: HelDan_64 Start: 40803, Stop: 40573, Start Num: 41
Candidate Starts for HelDan_64:
(Start: 26 @40845 has 2 MA's), (Start: 27 @40833 has 3 MA's), (Start: 41 @40803 has 143 MA's), (51, 40758),

Gene: Heliosoles_67 Start: 41059, Stop: 40829, Start Num: 40
Candidate Starts for Heliosoles_67:
(Start: 40 @41059 has 17 MA's), (76, 40915), (83, 40876),

Gene: Helmet_69 Start: 39552, Stop: 39319, Start Num: 38

Candidate Starts for Helmet_69:

(Start: 27 @39582 has 3 MA's), (Start: 38 @39552 has 134 MA's), (44, 39534), (49, 39513), (53, 39486), (71, 39420), (79, 39393), (83, 39366), (88, 39327),

Gene: Hexamo_67 Start: 39212, Stop: 38949, Start Num: 27

Candidate Starts for Hexamo_67:

(Start: 27 @39212 has 3 MA's), (Start: 38 @39182 has 134 MA's), (44, 39164), (49, 39143), (53, 39116), (71, 39050), (79, 39023), (83, 38996), (88, 38957),

Gene: HippoHollow_65 Start: 42630, Stop: 42397, Start Num: 38

Candidate Starts for HippoHollow_65:

(19, 42714), (Start: 38 @42630 has 134 MA's), (44, 42612),

Gene: Horex_66 Start: 40743, Stop: 40510, Start Num: 38

Candidate Starts for Horex_66:

(Start: 38 @40743 has 134 MA's), (44, 40725), (62, 40638), (71, 40611), (84, 40548), (86, 40533),

Gene: Holli_61 Start: 40254, Stop: 40030, Start Num: 41

Candidate Starts for Holli_61:

(Start: 26 @40296 has 2 MA's), (Start: 27 @40284 has 3 MA's), (Start: 41 @40254 has 143 MA's), (46, 40233), (83, 40077), (88, 40038),

Gene: Hookmount_64 Start: 40847, Stop: 40644, Start Num: 41

Candidate Starts for Hookmount_64:

(Start: 27 @40877 has 3 MA's), (Start: 41 @40847 has 143 MA's), (79, 40718), (88, 40652),

Gene: Hoot_61 Start: 36919, Stop: 36686, Start Num: 38

Candidate Starts for Hoot_61:

(Start: 38 @36919 has 134 MA's), (44, 36901), (49, 36880), (53, 36853), (57, 36838), (71, 36787), (76, 36772),

Gene: Houdini22_61 Start: 40468, Stop: 40244, Start Num: 41

Candidate Starts for Houdini22_61:

(Start: 26 @40510 has 2 MA's), (Start: 27 @40498 has 3 MA's), (Start: 41 @40468 has 143 MA's), (46, 40447), (83, 40291), (88, 40252),

Gene: Huxley_60 Start: 40528, Stop: 40304, Start Num: 41

Candidate Starts for Huxley_60:

(Start: 26 @40570 has 2 MA's), (Start: 27 @40558 has 3 MA's), (Start: 41 @40528 has 143 MA's), (46, 40507), (83, 40351), (88, 40312),

Gene: ICleared_61 Start: 40496, Stop: 40272, Start Num: 41

Candidate Starts for ICleared_61:

(Start: 26 @40538 has 2 MA's), (Start: 27 @40526 has 3 MA's), (Start: 41 @40496 has 143 MA's), (46, 40475), (83, 40319), (88, 40280),

Gene: Iceman_62 Start: 40753, Stop: 40529, Start Num: 41

Candidate Starts for Iceman_62:

(Start: 26 @40795 has 2 MA's), (Start: 27 @40783 has 3 MA's), (Start: 41 @40753 has 143 MA's), (46, 40732), (83, 40576), (88, 40537),

Gene: Idleandcovert_65 Start: 40896, Stop: 40666, Start Num: 41

Candidate Starts for Idleandcovert_65:

(Start: 26 @40938 has 2 MA's), (Start: 27 @40926 has 3 MA's), (Start: 41 @40896 has 143 MA's), (76, 40752), (77, 40749), (85, 40698),

Gene: Indra_70 Start: 39553, Stop: 39320, Start Num: 38

Candidate Starts for Indra_70:

(Start: 27 @39583 has 3 MA's), (Start: 38 @39553 has 134 MA's), (44, 39535), (49, 39514), (53, 39487), (71, 39421), (79, 39394), (83, 39367), (88, 39328),

Gene: IronMan_64 Start: 41884, Stop: 41648, Start Num: 37

Candidate Starts for IronMan_64:

(22, 41962), (Start: 27 @41911 has 3 MA's), (Start: 37 @41884 has 30 MA's), (44, 41863), (86, 41671), (88, 41656),

Gene: Isca_63 Start: 40349, Stop: 40119, Start Num: 41

Candidate Starts for Isca_63:

(Start: 26 @40391 has 2 MA's), (Start: 27 @40379 has 3 MA's), (Start: 41 @40349 has 143 MA's), (60, 40259), (76, 40205),

Gene: Isiphiwo_64 Start: 38635, Stop: 38402, Start Num: 38

Candidate Starts for Isiphiwo_64:

(Start: 38 @38635 has 134 MA's), (44, 38617), (49, 38596), (53, 38569), (57, 38554), (71, 38503), (76, 38488),

Gene: Iwokeuplikedis_67 Start: 40902, Stop: 40669, Start Num: 37

Candidate Starts for Iwokeuplikedis_67:

(17, 40989), (24, 40953), (Start: 37 @40902 has 30 MA's), (44, 40881), (48, 40863), (71, 40770), (73, 40767), (86, 40692),

Gene: JC27_61 Start: 40499, Stop: 40248, Start Num: 33

Candidate Starts for JC27_61:

(Start: 32 @40502 has 28 MA's), (Start: 33 @40499 has 6 MA's), (Start: 50 @40448 has 1 MA's), (Start: 54 @40430 has 3 MA's), (68, 40385),

Gene: JF2_63 Start: 39044, Stop: 38814, Start Num: 41

Candidate Starts for JF2_63:

(Start: 26 @39086 has 2 MA's), (Start: 27 @39074 has 3 MA's), (Start: 41 @39044 has 143 MA's), (60, 38954),

Gene: JF4_63 Start: 39044, Stop: 38814, Start Num: 41

Candidate Starts for JF4_63:

(Start: 26 @39086 has 2 MA's), (Start: 27 @39074 has 3 MA's), (Start: 41 @39044 has 143 MA's), (60, 38954),

Gene: JHC117_66 Start: 41169, Stop: 40939, Start Num: 39

Candidate Starts for JHC117_66:

(Start: 27 @41196 has 3 MA's), (Start: 39 @41169 has 51 MA's), (72, 41040), (83, 40986),

Gene: Jaan_65 Start: 42053, Stop: 41820, Start Num: 37

Candidate Starts for Jaan_65:

(Start: 26 @42092 has 2 MA's), (Start: 27 @42080 has 3 MA's), (Start: 37 @42053 has 30 MA's), (44, 42032), (86, 41843), (88, 41828),

Gene: Jabiru_59 Start: 39387, Stop: 39121, Start Num: 32
Candidate Starts for Jabiru_59:
(Start: 32 @39387 has 28 MA's), (42, 39363), (45, 39354), (83, 39168),

Gene: Jasper_59 Start: 38994, Stop: 38734, Start Num: 32
Candidate Starts for Jasper_59:
(Start: 32 @38994 has 28 MA's), (56, 38907), (78, 38805),

Gene: Jaykayelowell_59 Start: 40457, Stop: 40233, Start Num: 41
Candidate Starts for Jaykayelowell_59:
(Start: 26 @40499 has 2 MA's), (Start: 27 @40487 has 3 MA's), (Start: 41 @40457 has 143 MA's), (46, 40436), (83, 40280), (88, 40241),

Gene: Jeffabunny_67 Start: 39179, Stop: 38946, Start Num: 38
Candidate Starts for Jeffabunny_67:
(Start: 27 @39209 has 3 MA's), (Start: 38 @39179 has 134 MA's), (44, 39161), (49, 39140), (53, 39113), (71, 39047), (79, 39020), (83, 38993), (88, 38954),

Gene: JenCasNa_69 Start: 41170, Stop: 40940, Start Num: 39
Candidate Starts for JenCasNa_69:
(Start: 27 @41197 has 3 MA's), (Start: 39 @41170 has 51 MA's), (72, 41041), (83, 40987),

Gene: JeppNRM_69 Start: 41057, Stop: 40827, Start Num: 40
Candidate Starts for JeppNRM_69:
(Start: 40 @41057 has 17 MA's), (76, 40913), (83, 40874),

Gene: Jerm_68 Start: 41727, Stop: 41497, Start Num: 38
Candidate Starts for Jerm_68:
(4, 41976), (24, 41781), (25, 41775), (Start: 38 @41727 has 134 MA's), (44, 41709), (76, 41580), (83, 41541),

Gene: JetBlade_62 Start: 40458, Stop: 40234, Start Num: 41
Candidate Starts for JetBlade_62:
(Start: 26 @40500 has 2 MA's), (Start: 27 @40488 has 3 MA's), (Start: 41 @40458 has 143 MA's), (46, 40437), (83, 40281), (88, 40242),

Gene: JewelBug_66 Start: 39340, Stop: 39107, Start Num: 38
Candidate Starts for JewelBug_66:
(Start: 38 @39340 has 134 MA's), (44, 39322), (49, 39301), (53, 39274), (57, 39259), (71, 39208), (76, 39193),

Gene: Jiawan_65 Start: 40759, Stop: 40526, Start Num: 38
Candidate Starts for Jiawan_65:
(Start: 38 @40759 has 134 MA's), (44, 40741), (62, 40654), (71, 40627), (84, 40564), (86, 40549),

Gene: Jobu08_66 Start: 41002, Stop: 40772, Start Num: 39
Candidate Starts for Jobu08_66:
(Start: 27 @41029 has 3 MA's), (Start: 39 @41002 has 51 MA's), (72, 40873), (83, 40819), (85, 40804),

Gene: Jordennis_65 Start: 38821, Stop: 38588, Start Num: 38
Candidate Starts for Jordennis_65:
(Start: 38 @38821 has 134 MA's), (44, 38803), (49, 38782), (53, 38755), (71, 38689), (76, 38674),

Gene: JoshKayV_67 Start: 41782, Stop: 41552, Start Num: 38
Candidate Starts for JoshKayV_67:
(24, 41836), (25, 41830), (Start: 38 @41782 has 134 MA's), (44, 41764), (76, 41635), (83, 41596),

Gene: Journey13_59 Start: 38823, Stop: 38584, Start Num: 31
Candidate Starts for Journey13_59:
(Start: 31 @38823 has 2 MA's), (42, 38805), (Start: 50 @38772 has 1 MA's), (80, 38655),

Gene: KADY_67 Start: 41198, Stop: 40968, Start Num: 39
Candidate Starts for KADY_67:
(Start: 27 @41225 has 3 MA's), (Start: 39 @41198 has 51 MA's), (72, 41069),

Gene: Kachowdy_63 Start: 40839, Stop: 40609, Start Num: 41
Candidate Starts for Kachowdy_63:
(Start: 26 @40881 has 2 MA's), (Start: 27 @40869 has 3 MA's), (Start: 41 @40839 has 143 MA's), (51, 40794),

Gene: Kalb97_69 Start: 41055, Stop: 40825, Start Num: 40
Candidate Starts for Kalb97_69:
(Start: 40 @41055 has 17 MA's), (76, 40911), (83, 40872),

Gene: Kalnoky_69 Start: 41053, Stop: 40823, Start Num: 40
Candidate Starts for Kalnoky_69:
(Start: 40 @41053 has 17 MA's), (76, 40909), (83, 40870),

Gene: Kalpine_65 Start: 41568, Stop: 41335, Start Num: 38
Candidate Starts for Kalpine_65:
(18, 41655), (20, 41652), (Start: 27 @41598 has 3 MA's), (Start: 38 @41568 has 134 MA's), (44, 41550), (62, 41463), (71, 41436), (76, 41421), (86, 41358),

Gene: Kampy_61 Start: 40466, Stop: 40242, Start Num: 41
Candidate Starts for Kampy_61:
(Start: 26 @40508 has 2 MA's), (Start: 27 @40496 has 3 MA's), (Start: 41 @40466 has 143 MA's), (46, 40445), (83, 40289), (88, 40250),

Gene: Katalie136_60 Start: 40304, Stop: 40080, Start Num: 41
Candidate Starts for Katalie136_60:
(Start: 26 @40346 has 2 MA's), (Start: 27 @40334 has 3 MA's), (Start: 41 @40304 has 143 MA's), (82, 40139), (83, 40127),

Gene: Kazan_67 Start: 39074, Stop: 38841, Start Num: 38
Candidate Starts for Kazan_67:
(Start: 38 @39074 has 134 MA's), (44, 39056), (49, 39035), (53, 39008), (57, 38993), (71, 38942), (76, 38927),

Gene: KekoraPapaka_60 Start: 40464, Stop: 40240, Start Num: 41
Candidate Starts for KekoraPapaka_60:
(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Kimona_60 Start: 39068, Stop: 38832, Start Num: 37
Candidate Starts for Kimona_60:
(5, 39287), (Start: 37 @39068 has 30 MA's), (44, 39047), (Start: 50 @39014 has 1 MA's), (82, 38891),

Gene: KingCyrus_67 Start: 42932, Stop: 42702, Start Num: 38

Candidate Starts for KingCyrus_67:

(4, 43184), (7, 43136), (24, 42986), (Start: 38 @42932 has 134 MA's), (44, 42914), (76, 42785), (83, 42746),

Gene: Kingmustik0402_62 Start: 40453, Stop: 40229, Start Num: 41

Candidate Starts for Kingmustik0402_62:

(Start: 26 @40495 has 2 MA's), (Start: 27 @40483 has 3 MA's), (Start: 41 @40453 has 143 MA's), (46, 40432), (83, 40276), (88, 40237),

Gene: Kipper29_66 Start: 39087, Stop: 38854, Start Num: 38

Candidate Starts for Kipper29_66:

(Start: 38 @39087 has 134 MA's), (44, 39069), (49, 39048), (53, 39021), (57, 39006), (71, 38955), (76, 38940),

Gene: KittenMittens_58 Start: 39185, Stop: 38949, Start Num: 37

Candidate Starts for KittenMittens_58:

(Start: 37 @39185 has 30 MA's), (44, 39164), (49, 39143), (71, 39050), (76, 39035),

Gene: Koan_59 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for Koan_59:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Koko_69 Start: 40037, Stop: 39804, Start Num: 38

Candidate Starts for Koko_69:

(Start: 27 @40067 has 3 MA's), (Start: 38 @40037 has 134 MA's), (44, 40019), (49, 39998), (53, 39971), (71, 39905), (79, 39878), (83, 39851), (88, 39812),

Gene: Koreni_61 Start: 40145, Stop: 39921, Start Num: 41

Candidate Starts for Koreni_61:

(Start: 26 @40187 has 2 MA's), (Start: 27 @40175 has 3 MA's), (Start: 41 @40145 has 143 MA's), (46, 40124), (83, 39968), (88, 39929),

Gene: Kremtemulon_62 Start: 40570, Stop: 40346, Start Num: 41

Candidate Starts for Kremtemulon_62:

(Start: 26 @40612 has 2 MA's), (Start: 27 @40600 has 3 MA's), (Start: 41 @40570 has 143 MA's), (46, 40549), (83, 40393),

Gene: Kristoff_61 Start: 40482, Stop: 40249, Start Num: 37

Candidate Starts for Kristoff_61:

(Start: 27 @40509 has 3 MA's), (Start: 37 @40482 has 30 MA's), (44, 40461), (61, 40377),

Gene: Kyee_62 Start: 40462, Stop: 40238, Start Num: 41

Candidate Starts for Kyee_62:

(Start: 26 @40504 has 2 MA's), (Start: 27 @40492 has 3 MA's), (Start: 41 @40462 has 143 MA's), (46, 40441), (83, 40285), (88, 40246),

Gene: LBerry_69 Start: 41174, Stop: 40944, Start Num: 39

Candidate Starts for LBerry_69:

(Start: 27 @41201 has 3 MA's), (Start: 39 @41174 has 51 MA's), (72, 41045), (83, 40991),

Gene: LHTSCC_64 Start: 40867, Stop: 40643, Start Num: 41

Candidate Starts for LHTSCC_64:

(Start: 26 @40909 has 2 MA's), (Start: 27 @40897 has 3 MA's), (Start: 41 @40867 has 143 MA's), (46, 40846), (83, 40690), (88, 40651),

Gene: LadyBird_70 Start: 42006, Stop: 41776, Start Num: 38

Candidate Starts for LadyBird_70:

(Start: 38 @42006 has 134 MA's), (44, 41988), (76, 41859), (83, 41820),

Gene: Lambert1_64 Start: 40846, Stop: 40643, Start Num: 41

Candidate Starts for Lambert1_64:

(Start: 27 @40876 has 3 MA's), (Start: 41 @40846 has 143 MA's), (79, 40717), (88, 40651),

Gene: Landor_65 Start: 41962, Stop: 41726, Start Num: 37

Candidate Starts for Landor_65:

(Start: 27 @41989 has 3 MA's), (Start: 37 @41962 has 30 MA's), (44, 41941), (86, 41749), (88, 41734),

Gene: LappelDuVide_62 Start: 40463, Stop: 40239, Start Num: 41

Candidate Starts for LappelDuVide_62:

(Start: 26 @40505 has 2 MA's), (Start: 27 @40493 has 3 MA's), (Start: 41 @40463 has 143 MA's), (46, 40442), (83, 40286), (88, 40247),

Gene: Larenn_63 Start: 41019, Stop: 40783, Start Num: 37

Candidate Starts for Larenn_63:

(19, 41103), (Start: 27 @41049 has 3 MA's), (Start: 37 @41019 has 30 MA's), (44, 40998), (48, 40980), (76, 40869), (83, 40830),

Gene: LarryKay_68 Start: 41200, Stop: 40970, Start Num: 39

Candidate Starts for LarryKay_68:

(Start: 27 @41227 has 3 MA's), (Start: 39 @41200 has 51 MA's), (72, 41071), (83, 41017),

Gene: LeoAvram_61 Start: 40467, Stop: 40243, Start Num: 41

Candidate Starts for LeoAvram_61:

(Start: 26 @40509 has 2 MA's), (Start: 27 @40497 has 3 MA's), (Start: 41 @40467 has 143 MA's), (46, 40446), (83, 40290), (88, 40251),

Gene: Leogania_67 Start: 42317, Stop: 42087, Start Num: 38

Candidate Starts for Leogania_67:

(Start: 27 @42347 has 3 MA's), (Start: 38 @42317 has 134 MA's), (44, 42299), (83, 42134), (86, 42110),

Gene: Leviathan_68 Start: 41799, Stop: 41569, Start Num: 38

Candidate Starts for Leviathan_68:

(Start: 38 @41799 has 134 MA's), (44, 41781), (76, 41652), (83, 41613),

Gene: Licorice_60 Start: 41831, Stop: 41574, Start Num: 32

Candidate Starts for Licorice_60:

(Start: 32 @41831 has 28 MA's), (Start: 50 @41774 has 1 MA's), (Start: 54 @41756 has 3 MA's),

Gene: LilTurb_67 Start: 41609, Stop: 41379, Start Num: 38

Candidate Starts for LilTurb_67:

(4, 41858), (24, 41663), (25, 41657), (Start: 38 @41609 has 134 MA's), (44, 41591), (76, 41462), (83, 41423),

Gene: Lilbunny_66 Start: 39183, Stop: 38950, Start Num: 38

Candidate Starts for Lilbunny_66:

(Start: 27 @39213 has 3 MA's), (Start: 38 @39183 has 134 MA's), (44, 39165), (49, 39144), (53, 39117), (71, 39051), (79, 39024), (83, 38997), (88, 38958),

Gene: Lilith_67 Start: 41163, Stop: 40933, Start Num: 39

Candidate Starts for Lilith_67:

(Start: 27 @41190 has 3 MA's), (Start: 39 @41163 has 51 MA's), (72, 41034), (83, 40980),

Gene: LionsBait_67 Start: 42631, Stop: 42398, Start Num: 38

Candidate Starts for LionsBait_67:

(19, 42715), (Start: 38 @42631 has 134 MA's), (44, 42613),

Gene: LittleB_62 Start: 40465, Stop: 40241, Start Num: 41

Candidate Starts for LittleB_62:

(Start: 26 @40507 has 2 MA's), (Start: 27 @40495 has 3 MA's), (Start: 41 @40465 has 143 MA's), (46, 40444), (83, 40288), (88, 40249),

Gene: LochMonster_63 Start: 40703, Stop: 40479, Start Num: 41

Candidate Starts for LochMonster_63:

(Start: 26 @40745 has 2 MA's), (Start: 27 @40733 has 3 MA's), (Start: 41 @40703 has 143 MA's), (46, 40682), (83, 40526), (88, 40487),

Gene: Lokk_61 Start: 40288, Stop: 40058, Start Num: 38

Candidate Starts for Lokk_61:

(Start: 38 @40288 has 134 MA's), (44, 40270), (62, 40183), (73, 40156), (83, 40105), (88, 40066),

Gene: LoneWolf_68 Start: 40713, Stop: 40483, Start Num: 38

Candidate Starts for LoneWolf_68:

(Start: 38 @40713 has 134 MA's), (44, 40695), (84, 40518), (86, 40503),

Gene: Lorenzo_62 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for Lorenzo_62:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Loser_68 Start: 41965, Stop: 41732, Start Num: 38

Candidate Starts for Loser_68:

(Start: 27 @41995 has 3 MA's), (Start: 38 @41965 has 134 MA's), (44, 41947), (Start: 50 @41914 has 1 MA's), (71, 41833), (76, 41818),

Gene: Louie6_67 Start: 41199, Stop: 40969, Start Num: 40

Candidate Starts for Louie6_67:

(Start: 40 @41199 has 17 MA's), (72, 41070),

Gene: Lowa_67 Start: 41162, Stop: 40932, Start Num: 39

Candidate Starts for Lowa_67:

(Start: 27 @41189 has 3 MA's), (Start: 39 @41162 has 51 MA's), (72, 41033), (83, 40979),

Gene: Lucyedi_67 Start: 40607, Stop: 40374, Start Num: 37

Candidate Starts for Lucyedi_67:

(Start: 27 @40634 has 3 MA's), (Start: 37 @40607 has 30 MA's), (44, 40586), (82, 40433),

Gene: LugYA_71 Start: 41171, Stop: 40941, Start Num: 39

Candidate Starts for LugYA_71:

(Start: 27 @41198 has 3 MA's), (Start: 39 @41171 has 51 MA's), (72, 41042), (83, 40988),

Gene: Lunsford_63 Start: 40458, Stop: 40234, Start Num: 41

Candidate Starts for Lunsford_63:

(Start: 26 @40500 has 2 MA's), (Start: 27 @40488 has 3 MA's), (Start: 41 @40458 has 143 MA's), (46, 40437), (83, 40281), (88, 40242),

Gene: MA5_65 Start: 40253, Stop: 40023, Start Num: 41

Candidate Starts for MA5_65:

(Start: 26 @40295 has 2 MA's), (Start: 27 @40283 has 3 MA's), (Start: 41 @40253 has 143 MA's), (60, 40163),

Gene: MK4_65 Start: 40328, Stop: 40098, Start Num: 41

Candidate Starts for MK4_65:

(Start: 26 @40370 has 2 MA's), (Start: 27 @40358 has 3 MA's), (Start: 41 @40328 has 143 MA's), (60, 40238),

Gene: MadMarie_68 Start: 41172, Stop: 40942, Start Num: 39

Candidate Starts for MadMarie_68:

(Start: 27 @41199 has 3 MA's), (Start: 39 @41172 has 51 MA's), (72, 41043), (83, 40989),

Gene: Mainiac_68 Start: 41164, Stop: 40934, Start Num: 39

Candidate Starts for Mainiac_68:

(Start: 27 @41191 has 3 MA's), (Start: 39 @41164 has 51 MA's), (72, 41035), (83, 40981),

Gene: Malec_64 Start: 41586, Stop: 41350, Start Num: 37

Candidate Starts for Malec_64:

(19, 41670), (Start: 27 @41616 has 3 MA's), (Start: 37 @41586 has 30 MA's), (44, 41565), (48, 41547), (76, 41436), (83, 41397),

Gene: Malinsilva_70 Start: 41162, Stop: 40932, Start Num: 39

Candidate Starts for Malinsilva_70:

(Start: 27 @41189 has 3 MA's), (Start: 39 @41162 has 51 MA's), (72, 41033), (83, 40979),

Gene: Maminiaina_67 Start: 40688, Stop: 40455, Start Num: 38

Candidate Starts for Maminiaina_67:

(Start: 38 @40688 has 134 MA's), (44, 40670), (71, 40556), (86, 40478),

Gene: Manu_68 Start: 41056, Stop: 40826, Start Num: 40

Candidate Starts for Manu_68:

(Start: 40 @41056 has 17 MA's), (76, 40912), (83, 40873),

Gene: MarQuardt_68 Start: 41172, Stop: 40942, Start Num: 39

Candidate Starts for MarQuardt_68:

(Start: 27 @41199 has 3 MA's), (Start: 39 @41172 has 51 MA's), (72, 41043), (83, 40989),

Gene: Marchesa_63 Start: 40789, Stop: 40559, Start Num: 41

Candidate Starts for Marchesa_63:

(Start: 26 @40831 has 2 MA's), (Start: 27 @40819 has 3 MA's), (Start: 41 @40789 has 143 MA's), (51, 40744),

Gene: Margo_64 Start: 40872, Stop: 40669, Start Num: 41

Candidate Starts for Margo_64:

(Start: 27 @40902 has 3 MA's), (Start: 41 @40872 has 143 MA's), (79, 40743), (88, 40677),

Gene: Marie_66 Start: 41170, Stop: 40940, Start Num: 39

Candidate Starts for Marie_66:

(Start: 27 @41197 has 3 MA's), (Start: 39 @41170 has 51 MA's), (72, 41041), (83, 40987),

Gene: Marius_69 Start: 41053, Stop: 40823, Start Num: 40

Candidate Starts for Marius_69:

(Start: 40 @41053 has 17 MA's), (76, 40909), (83, 40870),

Gene: Maxo_63 Start: 40466, Stop: 40242, Start Num: 41

Candidate Starts for Maxo_63:

(Start: 26 @40508 has 2 MA's), (Start: 27 @40496 has 3 MA's), (Start: 41 @40466 has 143 MA's), (46, 40445), (83, 40289), (88, 40250),

Gene: Mayonnaise_60 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for Mayonnaise_60:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Mazhar510_62 Start: 40465, Stop: 40241, Start Num: 41

Candidate Starts for Mazhar510_62:

(Start: 26 @40507 has 2 MA's), (Start: 27 @40495 has 3 MA's), (Start: 41 @40465 has 143 MA's), (46, 40444), (83, 40288), (88, 40249),

Gene: McFly_66 Start: 39068, Stop: 38835, Start Num: 38

Candidate Starts for McFly_66:

(Start: 38 @39068 has 134 MA's), (44, 39050), (49, 39029), (53, 39002), (57, 38987), (71, 38936), (76, 38921),

Gene: MeeZee_61 Start: 40461, Stop: 40237, Start Num: 41

Candidate Starts for MeeZee_61:

(Start: 26 @40503 has 2 MA's), (Start: 27 @40491 has 3 MA's), (Start: 41 @40461 has 143 MA's), (46, 40440), (83, 40284), (88, 40245),

Gene: Melvin_64 Start: 40459, Stop: 40235, Start Num: 41

Candidate Starts for Melvin_64:

(Start: 26 @40501 has 2 MA's), (Start: 27 @40489 has 3 MA's), (Start: 41 @40459 has 143 MA's), (46, 40438), (83, 40282), (88, 40243),

Gene: Methuselah_63 Start: 41194, Stop: 40964, Start Num: 39

Candidate Starts for Methuselah_63:

(Start: 27 @41221 has 3 MA's), (Start: 39 @41194 has 51 MA's), (72, 41065), (83, 41011),

Gene: Microwolf_66 Start: 41186, Stop: 40956, Start Num: 39

Candidate Starts for Microwolf_66:

(Start: 27 @41213 has 3 MA's), (Start: 39 @41186 has 51 MA's), (72, 41057), (83, 41003),

Gene: MiculUcigas_65 Start: 40639, Stop: 40409, Start Num: 38

Candidate Starts for MiculUcigas_65:

(Start: 38 @40639 has 134 MA's), (44, 40621), (48, 40603), (53, 40573), (83, 40456), (86, 40432),

Gene: Miko_61 Start: 41066, Stop: 40836, Start Num: 38

Candidate Starts for Miko_61:

(Start: 38 @41066 has 134 MA's), (44, 41048), (73, 40934), (83, 40883), (88, 40844),

Gene: Miley16_99 Start: 61842, Stop: 62027, Start Num: 54

Candidate Starts for Miley16_99:

(Start: 54 @61842 has 3 MA's), (55, 61845), (58, 61869), (63, 61881), (67, 61887), (75, 61938), (82, 61968), (83, 61980), (85, 61995),

Gene: Minispark_64 Start: 40137, Stop: 39904, Start Num: 38

Candidate Starts for Minispark_64:

(Start: 38 @40137 has 134 MA's), (44, 40119), (53, 40071), (79, 39978), (86, 39927),

Gene: Miramae_59 Start: 39753, Stop: 39529, Start Num: 41

Candidate Starts for Miramae_59:

(Start: 26 @39795 has 2 MA's), (Start: 27 @39783 has 3 MA's), (Start: 41 @39753 has 143 MA's), (46, 39732),

Gene: MoneyMay_67 Start: 41170, Stop: 40940, Start Num: 39

Candidate Starts for MoneyMay_67:

(Start: 27 @41197 has 3 MA's), (Start: 39 @41170 has 51 MA's), (72, 41041), (83, 40987),

Gene: Montavir_65 Start: 41171, Stop: 40941, Start Num: 39

Candidate Starts for Montavir_65:

(Start: 27 @41198 has 3 MA's), (Start: 39 @41171 has 51 MA's), (72, 41042), (83, 40988),

Gene: Morpher26_60 Start: 40325, Stop: 40101, Start Num: 41

Candidate Starts for Morpher26_60:

(Start: 26 @40367 has 2 MA's), (Start: 27 @40355 has 3 MA's), (Start: 41 @40325 has 143 MA's), (82, 40160), (83, 40148),

Gene: Morrow_63 Start: 40470, Stop: 40246, Start Num: 41

Candidate Starts for Morrow_63:

(Start: 26 @40512 has 2 MA's), (Start: 27 @40500 has 3 MA's), (Start: 41 @40470 has 143 MA's), (46, 40449), (83, 40293), (88, 40254),

Gene: MuchMore_71 Start: 41162, Stop: 40932, Start Num: 39

Candidate Starts for MuchMore_71:

(Start: 27 @41189 has 3 MA's), (Start: 39 @41162 has 51 MA's), (72, 41033), (83, 40979),

Gene: Mundrea_60 Start: 40317, Stop: 40093, Start Num: 41

Candidate Starts for Mundrea_60:

(Start: 26 @40359 has 2 MA's), (Start: 27 @40347 has 3 MA's), (Start: 41 @40317 has 143 MA's), (46, 40296),

Gene: NaSiaTalie_65 Start: 40733, Stop: 40503, Start Num: 38

Candidate Starts for NaSiaTalie_65:

(Start: 38 @40733 has 134 MA's), (44, 40715), (48, 40697), (53, 40667), (83, 40550), (86, 40526),

Gene: Naca_58 Start: 39771, Stop: 39505, Start Num: 32

Candidate Starts for Naca_58:

(Start: 32 @39771 has 28 MA's), (81, 39564),

Gene: Nebs_63 Start: 40467, Stop: 40243, Start Num: 41

Candidate Starts for Nebs_63:

(Start: 26 @40509 has 2 MA's), (Start: 27 @40497 has 3 MA's), (Start: 41 @40467 has 143 MA's), (46, 40446), (83, 40290), (88, 40251),

Gene: Neeharika16_65 Start: 38528, Stop: 38295, Start Num: 38

Candidate Starts for Neeharika16_65:

(Start: 38 @38528 has 134 MA's), (44, 38510), (49, 38489), (53, 38462), (57, 38447), (71, 38396), (76, 38381),

Gene: Nemo27_61 Start: 40463, Stop: 40239, Start Num: 41

Candidate Starts for Nemo27_61:

(Start: 26 @40505 has 2 MA's), (Start: 27 @40493 has 3 MA's), (Start: 41 @40463 has 143 MA's), (46, 40442), (83, 40286), (88, 40247),

Gene: Newrala_66 Start: 39070, Stop: 38837, Start Num: 38

Candidate Starts for Newrala_66:

(Start: 38 @39070 has 134 MA's), (44, 39052), (49, 39031), (53, 39004), (57, 38989), (71, 38938), (76, 38923),

Gene: NicoleTera_64 Start: 41319, Stop: 41080, Start Num: 38

Candidate Starts for NicoleTera_64:

(8, 41517), (Start: 38 @41319 has 134 MA's), (44, 41301), (73, 41181), (83, 41127),

Gene: Noella_64 Start: 40847, Stop: 40644, Start Num: 41

Candidate Starts for Noella_64:

(Start: 27 @40877 has 3 MA's), (Start: 41 @40847 has 143 MA's), (79, 40718), (88, 40652),

Gene: Noelle_61 Start: 40629, Stop: 40402, Start Num: 41

Candidate Starts for Noelle_61:

(Start: 26 @40671 has 2 MA's), (Start: 27 @40659 has 3 MA's), (Start: 41 @40629 has 143 MA's), (82, 40461), (83, 40449),

Gene: Norbert_61 Start: 40846, Stop: 40643, Start Num: 41

Candidate Starts for Norbert_61:

(Start: 27 @40876 has 3 MA's), (Start: 41 @40846 has 143 MA's), (79, 40717), (88, 40651),

Gene: NorthStar_60 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for NorthStar_60:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Norz_59 Start: 41380, Stop: 41120, Start Num: 32

Candidate Starts for Norz_59:

(Start: 32 @41380 has 28 MA's), (56, 41293), (78, 41191),

Gene: NotAPhaseMom_61 Start: 40468, Stop: 40244, Start Num: 41

Candidate Starts for NotAPhaseMom_61:

(Start: 26 @40510 has 2 MA's), (Start: 27 @40498 has 3 MA's), (Start: 41 @40468 has 143 MA's), (46, 40447), (83, 40291), (88, 40252),

Gene: NothingSpecial_63 Start: 41525, Stop: 41295, Start Num: 38
Candidate Starts for NothingSpecial_63:
(21, 41606), (Start: 26 @41567 has 2 MA's), (Start: 27 @41555 has 3 MA's), (Start: 38 @41525 has 134 MA's), (44, 41507), (83, 41342), (86, 41318), (88, 41303),

Gene: OKCentral2016_60 Start: 39649, Stop: 39413, Start Num: 37
Candidate Starts for OKCentral2016_60:
(Start: 37 @39649 has 30 MA's), (44, 39628),

Gene: OKaNui_62 Start: 40514, Stop: 40290, Start Num: 41
Candidate Starts for OKaNui_62:
(Start: 26 @40556 has 2 MA's), (Start: 27 @40544 has 3 MA's), (Start: 41 @40514 has 143 MA's), (46, 40493), (83, 40337), (88, 40298),

Gene: Obama12_63 Start: 40851, Stop: 40627, Start Num: 41
Candidate Starts for Obama12_63:
(Start: 26 @40893 has 2 MA's), (Start: 27 @40881 has 3 MA's), (Start: 41 @40851 has 143 MA's), (46, 40830), (83, 40674), (88, 40635),

Gene: Ohfah_63 Start: 40467, Stop: 40243, Start Num: 41
Candidate Starts for Ohfah_63:
(Start: 26 @40509 has 2 MA's), (Start: 27 @40497 has 3 MA's), (Start: 41 @40467 has 143 MA's), (46, 40446), (83, 40290), (88, 40251),

Gene: Ohno789_59 Start: 40571, Stop: 40311, Start Num: 32
Candidate Starts for Ohno789_59:
(Start: 32 @40571 has 28 MA's), (56, 40484), (78, 40382),

Gene: OlanP_67 Start: 41229, Stop: 40999, Start Num: 40
Candidate Starts for OlanP_67:
(Start: 40 @41229 has 17 MA's), (76, 41085), (83, 41046),

Gene: Ollie_68 Start: 41041, Stop: 40811, Start Num: 39
Candidate Starts for Ollie_68:
(Start: 27 @41068 has 3 MA's), (Start: 39 @41041 has 51 MA's), (72, 40912), (83, 40858),

Gene: P28Green_69 Start: 41173, Stop: 40943, Start Num: 39
Candidate Starts for P28Green_69:
(Start: 27 @41200 has 3 MA's), (Start: 39 @41173 has 51 MA's), (72, 41044), (83, 40990),

Gene: PP_67 Start: 45562, Stop: 45308, Start Num: 28
Candidate Starts for PP_67:
(Start: 28 @45562 has 1 MA's), (44, 45523), (73, 45406), (80, 45379),

Gene: Panamaxus_62 Start: 40846, Stop: 40643, Start Num: 41
Candidate Starts for Panamaxus_62:
(Start: 27 @40876 has 3 MA's), (Start: 41 @40846 has 143 MA's), (79, 40717), (88, 40651),

Gene: Pari_61 Start: 39772, Stop: 39512, Start Num: 32
Candidate Starts for Pari_61:
(Start: 32 @39772 has 28 MA's), (56, 39685), (78, 39583),

Gene: Pawn_68 Start: 41060, Stop: 40830, Start Num: 40

Candidate Starts for Pawn_68:
(Start: 40 @41060 has 17 MA's), (76, 40916), (83, 40877),

Gene: PeaceMeal1_59 Start: 39186, Stop: 38950, Start Num: 37
Candidate Starts for PeaceMeal1_59:
(Start: 37 @39186 has 30 MA's), (44, 39165), (49, 39144), (71, 39051), (76, 39036),

Gene: Peaches_60 Start: 40463, Stop: 40239, Start Num: 41
Candidate Starts for Peaches_60:
(Start: 26 @40505 has 2 MA's), (Start: 27 @40493 has 3 MA's), (Start: 41 @40463 has 143 MA's), (46, 40442), (83, 40286), (88, 40247),

Gene: Pelly_58 Start: 39989, Stop: 39738, Start Num: 33
Candidate Starts for Pelly_58:
(Start: 33 @39989 has 6 MA's), (Start: 50 @39938 has 1 MA's), (Start: 54 @39920 has 3 MA's),

Gene: Penny1_68 Start: 41174, Stop: 40944, Start Num: 39
Candidate Starts for Penny1_68:
(Start: 27 @41201 has 3 MA's), (Start: 39 @41174 has 51 MA's), (72, 41045), (83, 40991),

Gene: Perplexer_60 Start: 40301, Stop: 40077, Start Num: 41
Candidate Starts for Perplexer_60:
(Start: 26 @40343 has 2 MA's), (Start: 27 @40331 has 3 MA's), (Start: 41 @40301 has 143 MA's), (82, 40136), (83, 40124),

Gene: PeterPeter_62 Start: 40461, Stop: 40237, Start Num: 41
Candidate Starts for PeterPeter_62:
(Start: 26 @40503 has 2 MA's), (Start: 27 @40491 has 3 MA's), (Start: 41 @40461 has 143 MA's), (46, 40440), (83, 40284), (88, 40245),

Gene: PetiteSangsue_60 Start: 40304, Stop: 40080, Start Num: 41
Candidate Starts for PetiteSangsue_60:
(Start: 26 @40346 has 2 MA's), (Start: 27 @40334 has 3 MA's), (Start: 41 @40304 has 143 MA's), (82, 40139), (83, 40127),

Gene: PetterN_63 Start: 39541, Stop: 39275, Start Num: 32
Candidate Starts for PetterN_63:
(Start: 32 @39541 has 28 MA's), (45, 39508), (83, 39322),

Gene: Phaded_63 Start: 41980, Stop: 41705, Start Num: 26
Candidate Starts for Phaded_63:
(Start: 26 @41980 has 2 MA's), (Start: 27 @41968 has 3 MA's), (Start: 37 @41941 has 30 MA's), (44, 41920), (86, 41728), (88, 41713),

Gene: Phantastic_66 Start: 40511, Stop: 40281, Start Num: 41
Candidate Starts for Phantastic_66:
(Start: 26 @40553 has 2 MA's), (Start: 27 @40541 has 3 MA's), (Start: 41 @40511 has 143 MA's), (76, 40367),

Gene: Pharaoh_62 Start: 40656, Stop: 40402, Start Num: 38
Candidate Starts for Pharaoh_62:
(6, 40863), (9, 40833), (Start: 27 @40686 has 3 MA's), (Start: 38 @40656 has 134 MA's), (44, 40638), (57, 40575), (62, 40551), (65, 40548), (74, 40497), (86, 40422),

Gene: Phelipe_63 Start: 40467, Stop: 40243, Start Num: 41

Candidate Starts for Phelipe_63:

(Start: 26 @40509 has 2 MA's), (Start: 27 @40497 has 3 MA's), (Start: 41 @40467 has 143 MA's), (46, 40446), (83, 40290), (88, 40251),

Gene: PherrisBueller_57 Start: 38645, Stop: 38385, Start Num: 32

Candidate Starts for PherrisBueller_57:

(Start: 32 @38645 has 28 MA's), (56, 38558), (78, 38456),

Gene: PhishRPhriends_66 Start: 40237, Stop: 40007, Start Num: 40

Candidate Starts for PhishRPhriends_66:

(Start: 40 @40237 has 17 MA's), (76, 40093), (83, 40054),

Gene: Phlei_54 Start: 40345, Stop: 40127, Start Num: 37

Candidate Starts for Phlei_54:

(Start: 37 @40345 has 30 MA's), (44, 40324), (69, 40225), (87, 40135),

Gene: Phontbonne_62 Start: 40370, Stop: 40146, Start Num: 41

Candidate Starts for Phontbonne_62:

(Start: 26 @40412 has 2 MA's), (Start: 27 @40400 has 3 MA's), (Start: 41 @40370 has 143 MA's), (46, 40349), (88, 40154),

Gene: Phoxy_68 Start: 41195, Stop: 40965, Start Num: 39

Candidate Starts for Phoxy_68:

(Start: 27 @41222 has 3 MA's), (Start: 39 @41195 has 51 MA's), (72, 41066), (83, 41012),

Gene: Phranny_69 Start: 41042, Stop: 40812, Start Num: 40

Candidate Starts for Phranny_69:

(Start: 40 @41042 has 17 MA's), (76, 40898), (83, 40859),

Gene: Pipcraft_59 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for Pipcraft_59:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Piro94_65 Start: 41086, Stop: 40856, Start Num: 38

Candidate Starts for Piro94_65:

(Start: 38 @41086 has 134 MA's), (44, 41068), (48, 41050), (53, 41020), (83, 40903), (86, 40879),

Gene: Pistachio_65 Start: 40443, Stop: 40213, Start Num: 41

Candidate Starts for Pistachio_65:

(Start: 26 @40485 has 2 MA's), (Start: 27 @40473 has 3 MA's), (Start: 41 @40443 has 143 MA's), (76, 40299), (77, 40296), (85, 40245),

Gene: Pmask_65 Start: 39071, Stop: 38838, Start Num: 38

Candidate Starts for Pmask_65:

(Start: 38 @39071 has 134 MA's), (44, 39053), (49, 39032), (53, 39005), (57, 38990), (71, 38939), (76, 38924),

Gene: Pocahontas_64 Start: 40843, Stop: 40640, Start Num: 41

Candidate Starts for Pocahontas_64:

(Start: 27 @40873 has 3 MA's), (Start: 41 @40843 has 143 MA's), (79, 40714), (88, 40648),

Gene: Polymorphads_63 Start: 40457, Stop: 40233, Start Num: 41

Candidate Starts for Polymorphads_63:

(Start: 26 @40499 has 2 MA's), (Start: 27 @40487 has 3 MA's), (Start: 41 @40457 has 143 MA's), (46, 40436), (62, 40361), (83, 40280), (88, 40241),

Gene: Polyphemus_68 Start: 39456, Stop: 39223, Start Num: 38

Candidate Starts for Polyphemus_68:

(Start: 38 @39456 has 134 MA's), (44, 39438), (49, 39417), (53, 39390), (57, 39375), (71, 39324), (76, 39309),

Gene: Poompha_59 Start: 39184, Stop: 38948, Start Num: 37

Candidate Starts for Poompha_59:

(Start: 37 @39184 has 30 MA's), (44, 39163), (49, 39142), (71, 39049), (76, 39034),

Gene: Popcicle_64 Start: 40843, Stop: 40640, Start Num: 41

Candidate Starts for Popcicle_64:

(Start: 27 @40873 has 3 MA's), (Start: 41 @40843 has 143 MA's), (79, 40714), (88, 40648),

Gene: PotatoSplit_69 Start: 41174, Stop: 40944, Start Num: 39

Candidate Starts for PotatoSplit_69:

(Start: 27 @41201 has 3 MA's), (Start: 39 @41174 has 51 MA's), (72, 41045), (83, 40991),

Gene: Power_65 Start: 41360, Stop: 41130, Start Num: 38

Candidate Starts for Power_65:

(Start: 38 @41360 has 134 MA's), (44, 41342), (48, 41324), (82, 41186),

Gene: Priamo_68 Start: 38887, Stop: 38654, Start Num: 38

Candidate Starts for Priamo_68:

(Start: 38 @38887 has 134 MA's), (44, 38869), (49, 38848), (53, 38821), (57, 38806), (71, 38755), (76, 38740),

Gene: Priya_66 Start: 40398, Stop: 40165, Start Num: 38

Candidate Starts for Priya_66:

(Start: 38 @40398 has 134 MA's), (44, 40380), (62, 40293), (71, 40266), (84, 40203), (86, 40188),

Gene: Prudy_60 Start: 41489, Stop: 41256, Start Num: 38

Candidate Starts for Prudy_60:

(Start: 38 @41489 has 134 MA's), (44, 41471), (71, 41357), (76, 41342), (86, 41279),

Gene: Pukovnik_63 Start: 41608, Stop: 41375, Start Num: 37

Candidate Starts for Pukovnik_63:

(Start: 26 @41647 has 2 MA's), (Start: 27 @41635 has 3 MA's), (Start: 37 @41608 has 30 MA's), (44, 41587), (71, 41473), (73, 41470), (83, 41419),

Gene: Pumbaa_62 Start: 40409, Stop: 40185, Start Num: 41

Candidate Starts for Pumbaa_62:

(Start: 26 @40451 has 2 MA's), (Start: 27 @40439 has 3 MA's), (Start: 41 @40409 has 143 MA's), (46, 40388), (83, 40232), (88, 40193),

Gene: Puppy_65 Start: 40515, Stop: 40285, Start Num: 41

Candidate Starts for Puppy_65:

(Start: 26 @40557 has 2 MA's), (Start: 27 @40545 has 3 MA's), (Start: 41 @40515 has 143 MA's), (76, 40371), (77, 40368), (85, 40317),

Gene: PurpleHaze_68 Start: 41055, Stop: 40825, Start Num: 40

Candidate Starts for PurpleHaze_68:

(Start: 40 @41055 has 17 MA's), (76, 40911), (83, 40872),

Gene: Qobbit_66 Start: 40360, Stop: 40127, Start Num: 38

Candidate Starts for Qobbit_66:

(Start: 38 @40360 has 134 MA's), (44, 40342), (62, 40255), (71, 40228), (84, 40165), (86, 40150),

Gene: QueenB2_65 Start: 41338, Stop: 41108, Start Num: 38

Candidate Starts for QueenB2_65:

(19, 41425), (Start: 26 @41383 has 2 MA's), (Start: 27 @41371 has 3 MA's), (Start: 38 @41338 has 134 MA's), (44, 41320), (48, 41302), (83, 41152),

Gene: QueenBeesly_66 Start: 41316, Stop: 41086, Start Num: 38

Candidate Starts for QueenBeesly_66:

(Start: 38 @41316 has 134 MA's), (44, 41298), (48, 41280), (82, 41142),

Gene: QuinnKiro_63 Start: 40846, Stop: 40643, Start Num: 41

Candidate Starts for QuinnKiro_63:

(Start: 27 @40876 has 3 MA's), (Start: 41 @40846 has 143 MA's), (79, 40717), (88, 40651),

Gene: Rachaly_63 Start: 41211, Stop: 40981, Start Num: 38

Candidate Starts for Rachaly_63:

(Start: 38 @41211 has 134 MA's), (44, 41193), (73, 41079), (83, 41028), (88, 40989),

Gene: Rahalelujah_66 Start: 40152, Stop: 39919, Start Num: 38

Candidate Starts for Rahalelujah_66:

(Start: 38 @40152 has 134 MA's), (44, 40134), (53, 40086), (79, 39993), (86, 39942),

Gene: Reba_68 Start: 40715, Stop: 40485, Start Num: 40

Candidate Starts for Reba_68:

(Start: 40 @40715 has 17 MA's), (76, 40571), (83, 40532),

Gene: Rebeuca_62 Start: 40483, Stop: 40250, Start Num: 37

Candidate Starts for Rebeuca_62:

(Start: 27 @40510 has 3 MA's), (Start: 37 @40483 has 30 MA's), (44, 40462), (61, 40378),

Gene: RedRock_67 Start: 42256, Stop: 42023, Start Num: 38

Candidate Starts for RedRock_67:

(Start: 27 @42286 has 3 MA's), (Start: 38 @42256 has 134 MA's), (44, 42238), (71, 42124), (76, 42109),

Gene: Refuge_63 Start: 41665, Stop: 41432, Start Num: 38

Candidate Starts for Refuge_63:

(Start: 27 @41695 has 3 MA's), (Start: 38 @41665 has 134 MA's), (44, 41647), (57, 41584), (62, 41560),

Gene: Relief_61 Start: 40461, Stop: 40237, Start Num: 41

Candidate Starts for Relief_61:

(Start: 26 @40503 has 2 MA's), (Start: 27 @40491 has 3 MA's), (Start: 41 @40461 has 143 MA's), (46, 40440), (83, 40284), (88, 40245),

Gene: ResDef_63 Start: 40846, Stop: 40643, Start Num: 41

Candidate Starts for ResDef_63:

(Start: 27 @40876 has 3 MA's), (Start: 41 @40846 has 143 MA's), (79, 40717), (88, 40651),

Gene: Retro23_67 Start: 41552, Stop: 41322, Start Num: 38

Candidate Starts for Retro23_67:

(19, 41639), (Start: 27 @41585 has 3 MA's), (Start: 38 @41552 has 134 MA's), (44, 41534), (48, 41516), (83, 41366),

Gene: RhynO_61 Start: 40124, Stop: 39888, Start Num: 37

Candidate Starts for RhynO_61:

(Start: 27 @40151 has 3 MA's), (Start: 37 @40124 has 30 MA's), (44, 40103),

Gene: Rifter_67 Start: 38679, Stop: 38446, Start Num: 38

Candidate Starts for Rifter_67:

(Start: 27 @38709 has 3 MA's), (Start: 38 @38679 has 134 MA's), (44, 38661), (49, 38640), (53, 38613), (71, 38547), (79, 38520), (83, 38493), (88, 38454),

Gene: RockieBear_60 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for RockieBear_60:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Rockstar_63 Start: 40337, Stop: 40107, Start Num: 41

Candidate Starts for Rockstar_63:

(Start: 26 @40379 has 2 MA's), (Start: 27 @40367 has 3 MA's), (Start: 41 @40337 has 143 MA's), (60, 40247),

Gene: Roimos_63 Start: 40719, Stop: 40489, Start Num: 41

Candidate Starts for Roimos_63:

(Start: 26 @40761 has 2 MA's), (Start: 27 @40749 has 3 MA's), (Start: 41 @40719 has 143 MA's), (51, 40674),

Gene: Roksolana_68 Start: 39513, Stop: 39280, Start Num: 38

Candidate Starts for Roksolana_68:

(Start: 27 @39543 has 3 MA's), (Start: 38 @39513 has 134 MA's), (44, 39495), (49, 39474), (53, 39447), (71, 39381), (83, 39327), (88, 39288),

Gene: Romney_61 Start: 40461, Stop: 40237, Start Num: 41

Candidate Starts for Romney_61:

(Start: 26 @40503 has 2 MA's), (Start: 27 @40491 has 3 MA's), (Start: 41 @40461 has 143 MA's), (46, 40440), (83, 40284), (88, 40245),

Gene: Roosevelt_60 Start: 40466, Stop: 40242, Start Num: 41

Candidate Starts for Roosevelt_60:

(Start: 26 @40508 has 2 MA's), (Start: 27 @40496 has 3 MA's), (Start: 41 @40466 has 143 MA's), (46, 40445), (83, 40289), (88, 40250),

Gene: Rosa24_60 Start: 40495, Stop: 40271, Start Num: 41

Candidate Starts for Rosa24_60:

(Start: 26 @40537 has 2 MA's), (Start: 27 @40525 has 3 MA's), (Start: 41 @40495 has 143 MA's), (46, 40474), (83, 40318), (88, 40279),

Gene: Rowdy_64 Start: 40196, Stop: 39963, Start Num: 37

Candidate Starts for Rowdy_64:

(Start: 27 @40223 has 3 MA's), (Start: 37 @40196 has 30 MA's), (44, 40175), (61, 40091),

Gene: Ruin_62 Start: 40457, Stop: 40233, Start Num: 41

Candidate Starts for Ruin_62:

(Start: 26 @40499 has 2 MA's), (Start: 27 @40487 has 3 MA's), (Start: 41 @40457 has 143 MA's), (46, 40436), (83, 40280), (88, 40241),

Gene: Rummer_67 Start: 41198, Stop: 40968, Start Num: 39

Candidate Starts for Rummer_67:

(Start: 27 @41225 has 3 MA's), (Start: 39 @41198 has 51 MA's), (72, 41069), (83, 41015),

Gene: Ruotula_61 Start: 42152, Stop: 41901, Start Num: 33

Candidate Starts for Ruotula_61:

(Start: 33 @42152 has 6 MA's), (Start: 50 @42101 has 1 MA's), (Start: 54 @42083 has 3 MA's), (68, 42038), (71, 42011),

Gene: Sabia_68 Start: 41179, Stop: 40949, Start Num: 39

Candidate Starts for Sabia_68:

(Start: 27 @41206 has 3 MA's), (Start: 39 @41179 has 51 MA's), (72, 41050), (83, 40996),

Gene: Sabinator_66 Start: 41169, Stop: 40939, Start Num: 39

Candidate Starts for Sabinator_66:

(Start: 27 @41196 has 3 MA's), (Start: 39 @41169 has 51 MA's), (72, 41040), (83, 40986),

Gene: SaturnRing_65 Start: 40896, Stop: 40666, Start Num: 41

Candidate Starts for SaturnRing_65:

(Start: 26 @40938 has 2 MA's), (Start: 27 @40926 has 3 MA's), (Start: 41 @40896 has 143 MA's), (76, 40752), (77, 40749), (85, 40698),

Gene: Scamp_62 Start: 40466, Stop: 40242, Start Num: 41

Candidate Starts for Scamp_62:

(Start: 26 @40508 has 2 MA's), (Start: 27 @40496 has 3 MA's), (Start: 41 @40466 has 143 MA's), (46, 40445), (83, 40289), (88, 40250),

Gene: Scherzo_68 Start: 41043, Stop: 40813, Start Num: 38

Candidate Starts for Scherzo_68:

(Start: 38 @41043 has 134 MA's), (44, 41025), (84, 40848), (86, 40833),

Gene: Scorpia_62 Start: 39600, Stop: 39334, Start Num: 32

Candidate Starts for Scorpia_62:

(Start: 32 @39600 has 28 MA's), (45, 39567), (83, 39381),

Gene: Scout_64 Start: 40050, Stop: 39820, Start Num: 41

Candidate Starts for Scout_64:

(Start: 26 @40092 has 2 MA's), (Start: 27 @40080 has 3 MA's), (Start: 41 @40050 has 143 MA's), (51, 40005),

Gene: Seanderson_58 Start: 41329, Stop: 41072, Start Num: 32

Candidate Starts for Seanderson_58:

(Start: 32 @41329 has 28 MA's), (Start: 54 @41254 has 3 MA's),

Gene: SemperFi_67 Start: 41584, Stop: 41354, Start Num: 38

Candidate Starts for SemperFi_67:

(Start: 38 @41584 has 134 MA's), (44, 41566), (48, 41548), (82, 41410), (83, 41398),

Gene: SenorClean_62 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for SenorClean_62:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Severus_59 Start: 39184, Stop: 38948, Start Num: 37

Candidate Starts for Severus_59:

(Start: 37 @39184 has 30 MA's), (44, 39163), (49, 39142), (71, 39049), (76, 39034),

Gene: Shapes_64 Start: 40196, Stop: 39963, Start Num: 37

Candidate Starts for Shapes_64:

(Start: 27 @40223 has 3 MA's), (Start: 37 @40196 has 30 MA's), (44, 40175), (61, 40091),

Gene: Sheen_65 Start: 43903, Stop: 43661, Start Num: 36

Candidate Starts for Sheen_65:

(10, 44068), (12, 44017), (16, 43984), (Start: 36 @43903 has 2 MA's), (44, 43882), (46, 43870), (82, 43720),

Gene: SheldonCooper_62 Start: 40868, Stop: 40644, Start Num: 41

Candidate Starts for SheldonCooper_62:

(Start: 26 @40910 has 2 MA's), (Start: 27 @40898 has 3 MA's), (Start: 41 @40868 has 143 MA's), (46, 40847), (83, 40691), (88, 40652),

Gene: Shygu2_60 Start: 40355, Stop: 40131, Start Num: 41

Candidate Starts for Shygu2_60:

(Start: 26 @40397 has 2 MA's), (Start: 27 @40385 has 3 MA's), (Start: 41 @40355 has 143 MA's), (46, 40334),

Gene: Skipitt_61 Start: 40458, Stop: 40234, Start Num: 41

Candidate Starts for Skipitt_61:

(Start: 26 @40500 has 2 MA's), (Start: 27 @40488 has 3 MA's), (Start: 41 @40458 has 143 MA's), (46, 40437), (83, 40281), (88, 40242),

Gene: Sknot_65 Start: 40736, Stop: 40506, Start Num: 38

Candidate Starts for Sknot_65:

(Start: 38 @40736 has 134 MA's), (44, 40718), (48, 40700), (53, 40670), (83, 40553), (86, 40529),

Gene: Smeagan_69 Start: 41886, Stop: 41656, Start Num: 38

Candidate Starts for Smeagan_69:

(4, 42135), (24, 41940), (25, 41934), (Start: 38 @41886 has 134 MA's), (44, 41868), (76, 41739), (83, 41700),

Gene: SmellyB_66 Start: 39068, Stop: 38835, Start Num: 38

Candidate Starts for SmellyB_66:

(Start: 38 @39068 has 134 MA's), (44, 39050), (49, 39029), (53, 39002), (57, 38987), (71, 38936), (76, 38921),

Gene: SnapTap_66 Start: 41395, Stop: 41165, Start Num: 38
Candidate Starts for SnapTap_66:
(Start: 38 @41395 has 134 MA's), (44, 41377), (48, 41359), (82, 41221),

Gene: Soshari_70 Start: 41194, Stop: 40964, Start Num: 39
Candidate Starts for Soshari_70:
(Start: 27 @41221 has 3 MA's), (Start: 39 @41194 has 51 MA's), (72, 41065), (83, 41011),

Gene: Sparxx_63 Start: 40459, Stop: 40235, Start Num: 41
Candidate Starts for Sparxx_63:
(Start: 26 @40501 has 2 MA's), (Start: 27 @40489 has 3 MA's), (Start: 41 @40459 has 143 MA's), (46, 40438), (83, 40282), (88, 40243),

Gene: Spike509_68 Start: 41195, Stop: 40965, Start Num: 39
Candidate Starts for Spike509_68:
(Start: 27 @41222 has 3 MA's), (Start: 39 @41195 has 51 MA's), (72, 41066), (83, 41012),

Gene: SpikeBT_57 Start: 39705, Stop: 39445, Start Num: 32
Candidate Starts for SpikeBT_57:
(Start: 32 @39705 has 28 MA's), (56, 39618), (70, 39558), (71, 39555),

Gene: Spino_61 Start: 40467, Stop: 40243, Start Num: 41
Candidate Starts for Spino_61:
(Start: 26 @40509 has 2 MA's), (Start: 27 @40497 has 3 MA's), (Start: 41 @40467 has 143 MA's), (46, 40446), (83, 40290), (88, 40251),

Gene: Spouty_66 Start: 40397, Stop: 40164, Start Num: 38
Candidate Starts for Spouty_66:
(Start: 38 @40397 has 134 MA's), (44, 40379), (62, 40292), (71, 40265), (84, 40202), (86, 40187),

Gene: Stagni_67 Start: 41173, Stop: 40943, Start Num: 39
Candidate Starts for Stagni_67:
(Start: 27 @41200 has 3 MA's), (Start: 39 @41173 has 51 MA's), (72, 41044), (83, 40990),

Gene: Stasia_60 Start: 40232, Stop: 40008, Start Num: 41
Candidate Starts for Stasia_60:
(Start: 26 @40274 has 2 MA's), (Start: 27 @40262 has 3 MA's), (Start: 41 @40232 has 143 MA's), (83, 40055),

Gene: SteMason_59 Start: 40461, Stop: 40237, Start Num: 41
Candidate Starts for SteMason_59:
(Start: 26 @40503 has 2 MA's), (Start: 27 @40491 has 3 MA's), (Start: 41 @40461 has 143 MA's), (46, 40440), (83, 40284), (88, 40245),

Gene: Steamy_62 Start: 40151, Stop: 39912, Start Num: 38
Candidate Starts for Steamy_62:
(Start: 27 @40181 has 3 MA's), (Start: 38 @40151 has 134 MA's), (44, 40133),

Gene: StepMih_67 Start: 41164, Stop: 40934, Start Num: 39
Candidate Starts for StepMih_67:
(Start: 27 @41191 has 3 MA's), (Start: 39 @41164 has 51 MA's), (72, 41035), (83, 40981),

Gene: Stink_59 Start: 40033, Stop: 39809, Start Num: 41

Candidate Starts for Stink_59:

(Start: 26 @40075 has 2 MA's), (Start: 27 @40063 has 3 MA's), (Start: 41 @40033 has 143 MA's), (46, 40012),

Gene: StrongArm_57 Start: 40820, Stop: 40560, Start Num: 32

Candidate Starts for StrongArm_57:

(Start: 32 @40820 has 28 MA's), (56, 40733), (78, 40631),

Gene: Sultana_62 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for Sultana_62:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Sunhee_68 Start: 39935, Stop: 39705, Start Num: 38

Candidate Starts for Sunhee_68:

(Start: 38 @39935 has 134 MA's), (44, 39917), (49, 39896), (76, 39788),

Gene: SuperAwesome_66 Start: 39073, Stop: 38840, Start Num: 38

Candidate Starts for SuperAwesome_66:

(Start: 38 @39073 has 134 MA's), (44, 39055), (49, 39034), (53, 39007), (57, 38992), (71, 38941), (76, 38926),

Gene: SuperCallie99_63 Start: 38955, Stop: 38722, Start Num: 38

Candidate Starts for SuperCallie99_63:

(Start: 38 @38955 has 134 MA's), (44, 38937), (49, 38916), (53, 38889), (57, 38874), (71, 38823), (76, 38808),

Gene: Superchunk_67 Start: 39685, Stop: 39446, Start Num: 31

Candidate Starts for Superchunk_67:

(Start: 31 @39685 has 2 MA's), (42, 39667), (49, 39646), (Start: 50 @39634 has 1 MA's), (72, 39547),

Gene: SweetiePie_66 Start: 41527, Stop: 41297, Start Num: 38

Candidate Starts for SweetiePie_66:

(Start: 38 @41527 has 134 MA's), (44, 41509), (48, 41491), (82, 41353),

Gene: TNguyen7_66 Start: 40862, Stop: 40632, Start Num: 41

Candidate Starts for TNguyen7_66:

(Start: 26 @40904 has 2 MA's), (Start: 27 @40892 has 3 MA's), (Start: 41 @40862 has 143 MA's), (76, 40718), (77, 40715), (85, 40664),

Gene: Taquarus_61 Start: 40467, Stop: 40243, Start Num: 41

Candidate Starts for Taquarus_61:

(Start: 26 @40509 has 2 MA's), (Start: 27 @40497 has 3 MA's), (Start: 41 @40467 has 143 MA's), (46, 40446), (83, 40290), (88, 40251),

Gene: TarsusIV_63 Start: 40986, Stop: 40756, Start Num: 38

Candidate Starts for TarsusIV_63:

(Start: 38 @40986 has 134 MA's), (44, 40968), (48, 40950), (53, 40920), (71, 40857), (83, 40803), (86, 40779), (88, 40764),

Gene: Taurus_69 Start: 41170, Stop: 40940, Start Num: 39

Candidate Starts for Taurus_69:

(Start: 27 @41197 has 3 MA's), (Start: 39 @41170 has 51 MA's), (72, 41041), (83, 40987),

Gene: Temprado_68 Start: 39552, Stop: 39319, Start Num: 38

Candidate Starts for Temprado_68:

(Start: 27 @39582 has 3 MA's), (Start: 38 @39552 has 134 MA's), (44, 39534), (49, 39513), (53, 39486), (71, 39420), (79, 39393), (83, 39366), (88, 39327),

Gene: Terrific_66 Start: 41090, Stop: 40860, Start Num: 38

Candidate Starts for Terrific_66:

(Start: 38 @41090 has 134 MA's), (44, 41072), (48, 41054), (53, 41024), (83, 40907), (86, 40883),

Gene: Texage_62 Start: 40847, Stop: 40644, Start Num: 41

Candidate Starts for Texage_62:

(Start: 27 @40877 has 3 MA's), (Start: 41 @40847 has 143 MA's), (79, 40718), (88, 40652),

Gene: Tiffany_67 Start: 41056, Stop: 40826, Start Num: 39

Candidate Starts for Tiffany_67:

(Start: 27 @41083 has 3 MA's), (Start: 39 @41056 has 51 MA's), (72, 40927), (83, 40873),

Gene: Timshel_65 Start: 43612, Stop: 43391, Start Num: 37

Candidate Starts for Timshel_65:

(10, 43789), (12, 43738), (Start: 37 @43612 has 30 MA's), (44, 43591),

Gene: Tinybot_61 Start: 40494, Stop: 40270, Start Num: 41

Candidate Starts for Tinybot_61:

(Start: 26 @40536 has 2 MA's), (Start: 27 @40524 has 3 MA's), (Start: 41 @40494 has 143 MA's), (46, 40473), (83, 40317), (88, 40278),

Gene: TiroTheta9_61 Start: 40458, Stop: 40234, Start Num: 41

Candidate Starts for TiroTheta9_61:

(Start: 26 @40500 has 2 MA's), (Start: 27 @40488 has 3 MA's), (Start: 41 @40458 has 143 MA's), (46, 40437), (83, 40281), (88, 40242),

Gene: Toaka_67 Start: 40624, Stop: 40391, Start Num: 38

Candidate Starts for Toaka_67:

(Start: 38 @40624 has 134 MA's), (44, 40606), (62, 40519), (86, 40414),

Gene: Todacoro_64 Start: 40846, Stop: 40643, Start Num: 41

Candidate Starts for Todacoro_64:

(Start: 27 @40876 has 3 MA's), (Start: 41 @40846 has 143 MA's), (79, 40717), (88, 40651),

Gene: ToneTone_64 Start: 39112, Stop: 38879, Start Num: 38

Candidate Starts for ToneTone_64:

(Start: 27 @39142 has 3 MA's), (Start: 38 @39112 has 134 MA's), (44, 39094), (49, 39073), (53, 39046), (71, 38980), (79, 38953), (83, 38926), (88, 38887),

Gene: Topanga_58 Start: 39963, Stop: 39730, Start Num: 37

Candidate Starts for Topanga_58:

(Start: 27 @39990 has 3 MA's), (Start: 37 @39963 has 30 MA's), (44, 39942), (61, 39858),

Gene: Toro_65 Start: 44015, Stop: 43773, Start Num: 36

Candidate Starts for Toro_65:

(10, 44180), (12, 44129), (16, 44096), (Start: 36 @44015 has 2 MA's), (44, 43994), (46, 43982), (82, 43832),

Gene: Traft412_61 Start: 40928, Stop: 40671, Start Num: 32

Candidate Starts for Traft412_61:

(Start: 32 @40928 has 28 MA's), (Start: 50 @40871 has 1 MA's), (Start: 54 @40853 has 3 MA's),

Gene: Trike_58 Start: 39190, Stop: 38954, Start Num: 37

Candidate Starts for Trike_58:

(Start: 27 @39220 has 3 MA's), (Start: 37 @39190 has 30 MA's), (44, 39169), (71, 39055),

Gene: Tristan_63 Start: 41778, Stop: 41545, Start Num: 37

Candidate Starts for Tristan_63:

(Start: 26 @41817 has 2 MA's), (Start: 27 @41805 has 3 MA's), (Start: 37 @41778 has 30 MA's), (44, 41757), (86, 41568), (88, 41553),

Gene: Trixie_64 Start: 41204, Stop: 40974, Start Num: 38

Candidate Starts for Trixie_64:

(Start: 23 @41255 has 1 MA's), (Start: 27 @41234 has 3 MA's), (Start: 38 @41204 has 134 MA's), (44, 41186), (71, 41072), (76, 41057),

Gene: Trooper_66 Start: 41462, Stop: 41232, Start Num: 38

Candidate Starts for Trooper_66:

(30, 41480), (Start: 38 @41462 has 134 MA's), (44, 41444), (48, 41426), (53, 41396), (83, 41279), (86, 41255), (88, 41240),

Gene: TroyPia_63 Start: 40462, Stop: 40238, Start Num: 41

Candidate Starts for TroyPia_63:

(Start: 26 @40504 has 2 MA's), (Start: 27 @40492 has 3 MA's), (Start: 41 @40462 has 143 MA's), (46, 40441), (83, 40285), (88, 40246),

Gene: Tucker_67 Start: 39281, Stop: 39048, Start Num: 38

Candidate Starts for Tucker_67:

(Start: 27 @39311 has 3 MA's), (Start: 38 @39281 has 134 MA's), (44, 39263), (49, 39242), (53, 39215), (71, 39149), (83, 39095), (88, 39056),

Gene: Turbido_67 Start: 41605, Stop: 41375, Start Num: 38

Candidate Starts for Turbido_67:

(4, 41854), (24, 41659), (25, 41653), (Start: 38 @41605 has 134 MA's), (44, 41587), (76, 41458), (83, 41419),

Gene: Twister_60 Start: 40044, Stop: 39811, Start Num: 37

Candidate Starts for Twister_60:

(18, 40128), (Start: 27 @40071 has 3 MA's), (Start: 37 @40044 has 30 MA's), (44, 40023), (61, 39939),

Gene: TygerBlood_62 Start: 40464, Stop: 40240, Start Num: 41

Candidate Starts for TygerBlood_62:

(Start: 26 @40506 has 2 MA's), (Start: 27 @40494 has 3 MA's), (Start: 41 @40464 has 143 MA's), (46, 40443), (83, 40287), (88, 40248),

Gene: Ugenie5_64 Start: 41042, Stop: 40812, Start Num: 38

Candidate Starts for Ugenie5_64:

(Start: 38 @41042 has 134 MA's), (44, 41024), (84, 40847), (86, 40832),

Gene: Ulysses_61 Start: 40144, Stop: 39920, Start Num: 41
Candidate Starts for Ulysses_61:
(Start: 26 @40186 has 2 MA's), (Start: 27 @40174 has 3 MA's), (Start: 41 @40144 has 143 MA's), (46, 40123), (83, 39967), (88, 39928),

Gene: UnionJack_59 Start: 39159, Stop: 38842, Start Num: 23
Candidate Starts for UnionJack_59:
(Start: 23 @39159 has 1 MA's), (Start: 32 @39108 has 28 MA's), (45, 39075), (83, 38889),

Gene: Updawg_66 Start: 40980, Stop: 40750, Start Num: 38
Candidate Starts for Updawg_66:
(Start: 38 @40980 has 134 MA's), (44, 40962), (48, 40944), (53, 40914), (83, 40797), (86, 40773),

Gene: VA6_66 Start: 41310, Stop: 41080, Start Num: 38
Candidate Starts for VA6_66:
(Start: 38 @41310 has 134 MA's), (44, 41292), (76, 41163), (83, 41124),

Gene: Veracruz_62 Start: 40846, Stop: 40643, Start Num: 41
Candidate Starts for Veracruz_62:
(Start: 27 @40876 has 3 MA's), (Start: 41 @40846 has 143 MA's), (79, 40717), (88, 40651),

Gene: Vix_66 Start: 41253, Stop: 41023, Start Num: 39
Candidate Starts for Vix_66:
(Start: 27 @41280 has 3 MA's), (Start: 39 @41253 has 51 MA's), (72, 41124), (83, 41070),

Gene: VohminGhazi_66 Start: 39069, Stop: 38836, Start Num: 38
Candidate Starts for VohminGhazi_66:
(Start: 38 @39069 has 134 MA's), (44, 39051), (49, 39030), (53, 39003), (57, 38988), (71, 38937), (76, 38922),

Gene: WalterMcMickey_60 Start: 40044, Stop: 39811, Start Num: 37
Candidate Starts for WalterMcMickey_60:
(18, 40128), (Start: 27 @40071 has 3 MA's), (Start: 37 @40044 has 30 MA's), (44, 40023), (61, 39939),

Gene: Watson_67 Start: 41162, Stop: 40932, Start Num: 39
Candidate Starts for Watson_67:
(Start: 27 @41189 has 3 MA's), (Start: 39 @41162 has 51 MA's), (72, 41033), (83, 40979),

Gene: WeiHuaDA_67 Start: 42183, Stop: 41950, Start Num: 38
Candidate Starts for WeiHuaDA_67:
(Start: 27 @42213 has 3 MA's), (Start: 38 @42183 has 134 MA's), (44, 42165), (62, 42078), (71, 42051), (76, 42036), (86, 41973), (88, 41958),

Gene: Whabigail7_67 Start: 41605, Stop: 41375, Start Num: 38
Candidate Starts for Whabigail7_67:
(4, 41854), (24, 41659), (25, 41653), (Start: 38 @41605 has 134 MA's), (44, 41587), (76, 41458), (83, 41419),

Gene: WideWale_66 Start: 40980, Stop: 40750, Start Num: 38
Candidate Starts for WideWale_66:
(Start: 38 @40980 has 134 MA's), (44, 40962), (48, 40944), (53, 40914), (83, 40797), (86, 40773),

Gene: Wiks_66 Start: 39183, Stop: 38950, Start Num: 38

Candidate Starts for Wiks_66:

(Start: 27 @39213 has 3 MA's), (Start: 38 @39183 has 134 MA's), (44, 39165), (49, 39144), (53, 39117), (71, 39051), (79, 39024), (83, 38997), (88, 38958),

Gene: Wilbur_62 Start: 40461, Stop: 40237, Start Num: 41

Candidate Starts for Wilbur_62:

(Start: 26 @40503 has 2 MA's), (Start: 27 @40491 has 3 MA's), (Start: 41 @40461 has 143 MA's), (46, 40440), (83, 40284), (88, 40245),

Gene: Wile_60 Start: 40335, Stop: 40111, Start Num: 41

Candidate Starts for Wile_60:

(Start: 26 @40377 has 2 MA's), (Start: 41 @40335 has 143 MA's), (82, 40170), (83, 40158),

Gene: Winky_99 Start: 61842, Stop: 62027, Start Num: 54

Candidate Starts for Winky_99:

(Start: 54 @61842 has 3 MA's), (55, 61845), (58, 61869), (63, 61881), (67, 61887), (75, 61938), (82, 61968), (83, 61980), (85, 61995),

Gene: Wizard007_61 Start: 40469, Stop: 40245, Start Num: 41

Candidate Starts for Wizard007_61:

(Start: 26 @40511 has 2 MA's), (Start: 27 @40499 has 3 MA's), (Start: 41 @40469 has 143 MA's), (46, 40448), (83, 40292), (88, 40253),

Gene: WorldCup_64 Start: 40146, Stop: 39913, Start Num: 38

Candidate Starts for WorldCup_64:

(Start: 38 @40146 has 134 MA's), (44, 40128), (53, 40080), (79, 39987), (86, 39936),

Gene: WunderPhul_67 Start: 39181, Stop: 38948, Start Num: 38

Candidate Starts for WunderPhul_67:

(Start: 27 @39211 has 3 MA's), (Start: 38 @39181 has 134 MA's), (44, 39163), (49, 39142), (53, 39115), (71, 39049), (79, 39022), (83, 38995), (88, 38956),

Gene: Xena_59 Start: 40301, Stop: 40077, Start Num: 41

Candidate Starts for Xena_59:

(Start: 26 @40343 has 2 MA's), (Start: 27 @40331 has 3 MA's), (Start: 41 @40301 has 143 MA's), (82, 40136), (83, 40124),

Gene: XianYue_63 Start: 40566, Stop: 40336, Start Num: 38

Candidate Starts for XianYue_63:

(Start: 38 @40566 has 134 MA's), (44, 40548), (71, 40437), (76, 40422), (83, 40383),

Gene: YoSam321_62 Start: 40458, Stop: 40234, Start Num: 41

Candidate Starts for YoSam321_62:

(Start: 26 @40500 has 2 MA's), (Start: 27 @40488 has 3 MA's), (Start: 41 @40458 has 143 MA's), (46, 40437), (83, 40281), (88, 40242),

Gene: Yokurt_66 Start: 39183, Stop: 38950, Start Num: 38

Candidate Starts for Yokurt_66:

(Start: 27 @39213 has 3 MA's), (Start: 38 @39183 has 134 MA's), (44, 39165), (49, 39144), (53, 39117), (71, 39051), (79, 39024), (83, 38997), (88, 38958),

Gene: Zaka_67 Start: 39183, Stop: 38950, Start Num: 38

Candidate Starts for Zaka_67:

(Start: 27 @39213 has 3 MA's), (Start: 38 @39183 has 134 MA's), (44, 39165), (49, 39144), (53, 39117), (71, 39051), (79, 39024), (83, 38997), (88, 38958),

Gene: Zarafa_63 Start: 40812, Stop: 40582, Start Num: 41

Candidate Starts for Zarafa_63:

(Start: 26 @40854 has 2 MA's), (Start: 27 @40842 has 3 MA's), (Start: 41 @40812 has 143 MA's), (51, 40767),

Gene: Zetzy_67 Start: 40733, Stop: 40503, Start Num: 39

Candidate Starts for Zetzy_67:

(Start: 27 @40760 has 3 MA's), (Start: 39 @40733 has 51 MA's), (72, 40604), (83, 40550),

Gene: Zimmer_63 Start: 41380, Stop: 41147, Start Num: 38

Candidate Starts for Zimmer_63:

(Start: 38 @41380 has 134 MA's), (44, 41362), (57, 41299),

Gene: Zulu_68 Start: 39561, Stop: 39328, Start Num: 38

Candidate Starts for Zulu_68:

(Start: 27 @39591 has 3 MA's), (Start: 38 @39561 has 134 MA's), (44, 39543), (49, 39522), (53, 39495), (71, 39429), (79, 39402), (83, 39375), (88, 39336),